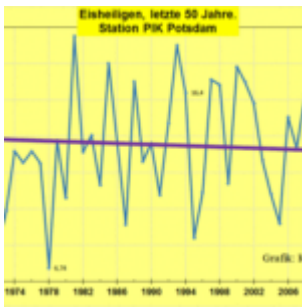


Die Eisheiligen werden immer kälter



Anlass dieser Frage ist die Behauptung des Vorstandes des Deutschen Wetterdienstes (DWD), Andreas Friedrich in der Osnabrücker Zeitung am 21. April 2016: „...In den vergangenen Jahren haben sich die Eisheiligen eher rar gemacht“. Meteorologe Andreas Friedrich vom Deutschen Wetterdienst stellt fest: „In den letzten Jahren zeigten sich diese Kaltlufteinbrüche im Mai weniger...“

Schon im letzten Jahr hatte Vorstand Friedrich im „Focus“ ähnliches behauptet:

http://www.focus.de/panorama/wetter-aktuell/wetter-aktuell-kein-frost-im-mai-meteorologen-erwarten-heissheilige_id_4665149.html . Durch die Focus-Redakteure wurden die Eisheiligen 2015 einfach zu Heißheiligen gemacht.

Wissenschaftliche Betrachtung der Erwärmungsbehauptungen:

Zunächst sei die Frage erlaubt, was heißt Gegenwart, was heißt in den letzten Jahren? Für den folgenden Artikel definiere ich „Gegenwart“ deshalb selbst: Ab 1998 setzten verstärkt die Katastrophenmeldungen und Vorhersagen über eine unheilvolle Erderwärmung aufgrund eines angeblichen Treibhauseffektes ein. Deshalb werde ich zukünftig solche

**nichtsagenden Zeitungsangaben
naturwissenschaftlich ungebildeter
Redakteure wie „in jüngster Zeit“ oder
„die letzten Jahre“ oder „in der
Gegenwart“ immer das Jahr 1998 als
Ausgang für die Betrachtung ansetzen.**

**Und da Meteorologen 30 Jahre als
Klimaeinheit definierten, soll auch
dieser Zeitraum untersucht werden.
Beginnen wollen wir aber mit 50
Jahren, einem recht langen
Betrachtungszeitraum.**

**Die Eiseisigen als
(angebliches)
eindeutiges Indiz
der Klimaerwärmung**

Wir haben uns die

**Daten der
Klimastation
Potsdam für die
letzten 50 Jahre
besorgt, also von
1966 bis 2016. Im
folgenden Diagramm
sind die 5
Eisheiligentage
(11. – 15. Mai) aus
der Langzeitreihe
der Klimastation**

**von Potsdam (PIK
Potsdam) mit
Tageswerten
extrahiert und die
fünf Tage im
Schnitt
dargestellt. Und
dieses Jahr 2016
waren die
Eisheiligen in
Potsdam mit 14,3 C
im Mittel um**

**einiges wärmer als
letztes Jahr (12,9
C), was sicherlich
mit der Lage von
Potsdam zu tun hat.
Denn die
Maiabkühlung mit
Regen erfolgte
diesmal aus dem
Südwesten und
erreichte Potsdam
später. Schon 200**

**km weiter südlich
bei der Station
Holzhau im
Erzgebirge betrug
der
Eisheißigenschnitt
2016 etwa 10C und
war damit kälter
als ein Jahr zuvor.
[http://www.wetterstation-
holzhau.de/wetter-](http://www.wetterstation-holzhau.de/wetter-)**

**holzhau-
eisheilige.html**

Die

letzten

50 Jahre

Eisheitlig

en in

Potsdam:

Wir

greifen

trotzdem

auf

Potsdam

zurück,

da uns

die Daten

über

einen

längeren

Zeitraum

vorliegen

. Wir

**beginnen
mit dem
Jahre
1966. Die
Überrasch
ung ist**

**groß: Die
Eisheitlich
en zeigen
einen
signifika
nten**

**Trend von
– 0,5K
innerhalb
dieser 50
Jahre.
ein**

halbes

Grad

Abkühlung

in 50

Jahren

ist das

**Gegenteil
einer**

Erwärmung

, und das

**Gegenteil
eines**

**Ausfalls
der
Eisheilig
en. Die
wärmsten
Eisheilig**

en waren

im Jahre

1968 mit

19,6C,

das waren

damals

**Sommerhei
lige
mitten im
Mai. Noch
wärmer
waren die**

**Eisheilig
en 1945
direkt
nach
Kriegsend
e in**

Berlin-

Potsdam.

Bei 20,8C

erfreute

man sich

unmittelb

ar nach

dem

Waffensti

llstand

an

hochsomme

**rlichen
Badetempe
raturen
in
Berlin-
Potsdam.**

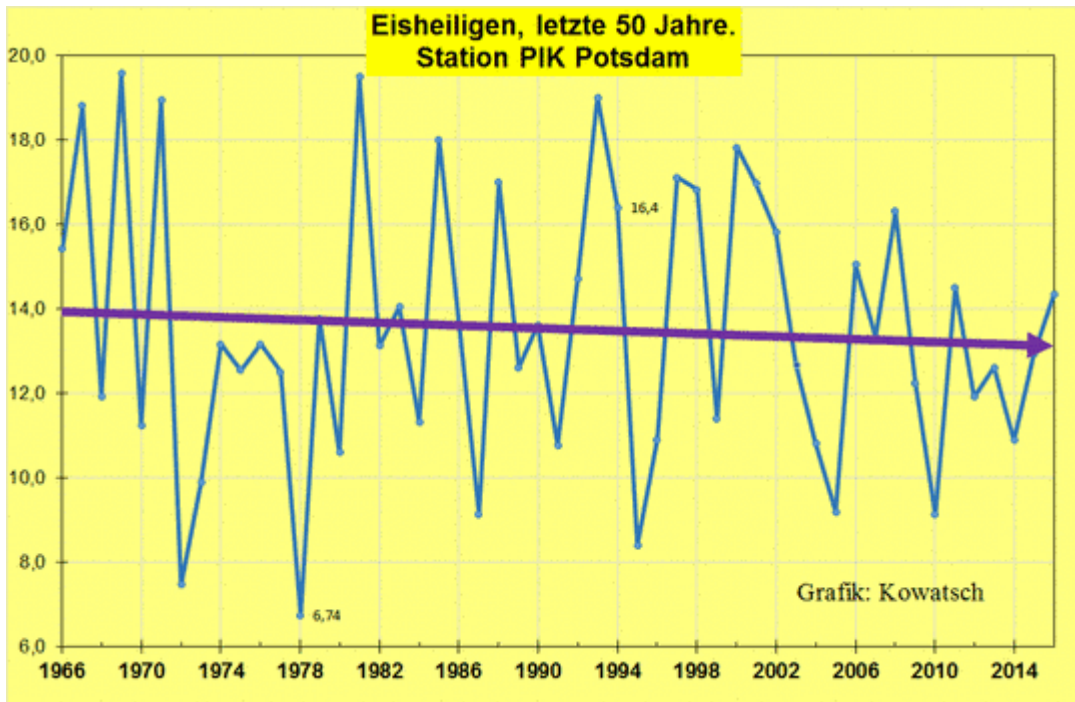


Abb. 1.
Über die
letzten

50 Jahre

zeigen

die

Eisheilig

en

innerhalb

***des Mai-
Monates
einen
negativen
Trend,
die fünf***

***Tage
wurden
eindeutig
kälter
und nicht
wärmer.***

***Es sei
noch
darauf
hingewies
en, dass
kurz nach***

dem Start

des

Betrachtu

ngszeitra

umes ab

1971 neun

kalte

Eisheilig

enjahre

folgten,

welche

die

***Trendlini
e anfangs
nach
unten
drückten .***

**Die
Daten
sind
außerdem
nicht
wärmeinse**

**Übereinig
t, ab 20
Jahre
rückwirke
nder
Betrachtu**

**ng müsste
man vor
allem bei
Städten
wie
Potsdam**

**eine WI-
Bereinigu
ng
vornehmen
. Wir
haben**

**darauf
verzichte
t, da die
weiteren
Aussagen
auch**

bereits

ohne WI-

Bereinigu

ng

eindeutig

sind.

**Allerdings
s ist
anzumerke
n, dass
in der
freien**

Fläche

Deutschla

nds, die

fallende

50

Jahres -

**Trendlini
e noch
stärker
wäre, die
Eisheitlig
en also**

**stärker
kühlend
auf die
Vegetatio
n
einwirken**

**als die
Trendlini
e angibt.
(siehe
letzte
Abbildung**

)

Ergebn

is 1:

In den

Letzte

n 50

**Jahren
wurden**

die

Eisheei

Ligen

kälter

und

nicht

wärmer



**Zweiter
Betracht
ungszeit**

raum :

Die

Eisheili

gen ab

1985

Beim

nächsten

Betrachtu

ngsabschn

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nehmen

wir die

Daten der

Klimastat

ion

Potsdam

ab 1985,

damit

sind die

30 Jahre

als

kleinste

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Betrachtu

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erfüllt.

Auch

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Eisheitlich

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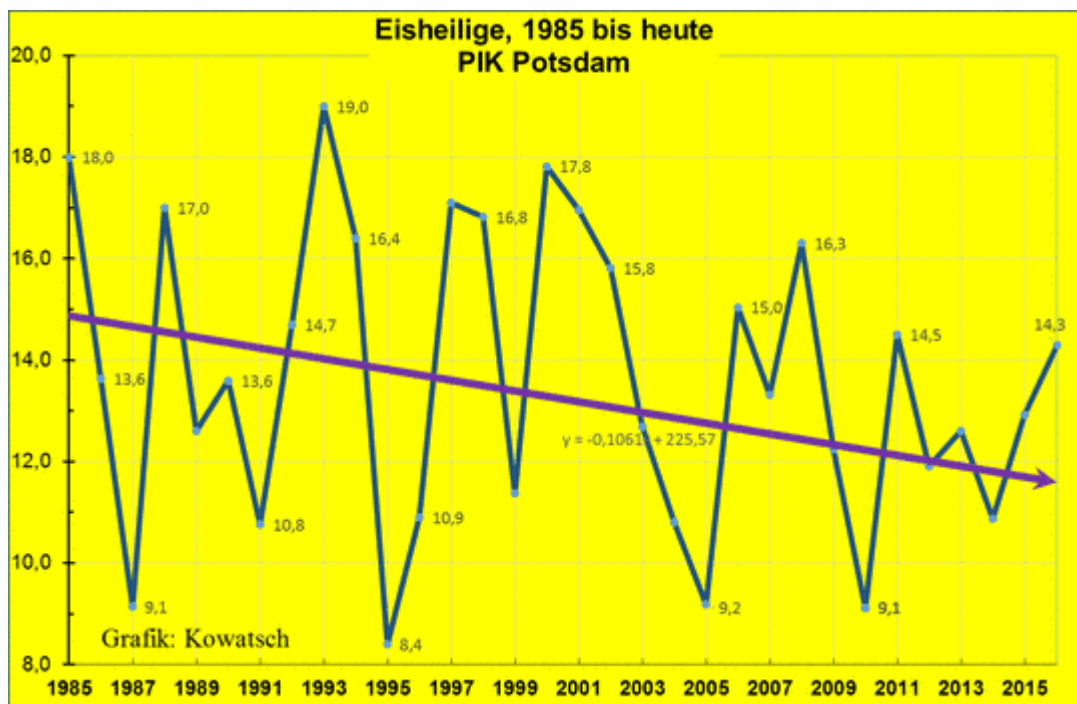


Abb. 2.

Die

Grafik

zeigt ein

verblüffende

nde

Ergebnis .

Nähert

man sich

der

Gegenwart

, dann

werden

die

Eisheilig

en immer

kälter.

Die

***negative
Steigung
der
Trendlini
e nimmt
zu. Und***

*das bei
der
Klimastat
ion PIK
Potsdam,
dem*

***deutschen
Zentrum
der
Erwärmung
smärchene
rzähler.***

**Auch in
diesem
Falle sei
unbedingt
erwähnt,
dass**

**Potsdam
in diesen
letzten 3
Jahrzehnt
en einen
immer**

**größer
werdenden
Wärmeinse
Leffekt
entwickel
t hat,**

**auch ist
die Stadt
mit
Berlin zu
einer
großen**

**flächigen
Wärmezone
zusammeng
ewachsen.
Die
Abkühlung**

der

Eisheitlig

en in der

freien

Fläche

Deutschla

**nds , dort
wo keine
Menschen
wohnen
und auch
keine**

**Messstatistiken
stehen,
ist
natürlich
noch**

**gravieren
der, die
Trendlini
e noch
fallender
. Dort**

werden

auch

dieses

Jahr

wieder

blühende

Obstbäume erfrieren



Ergebn

is 2:

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n 30

Jahren

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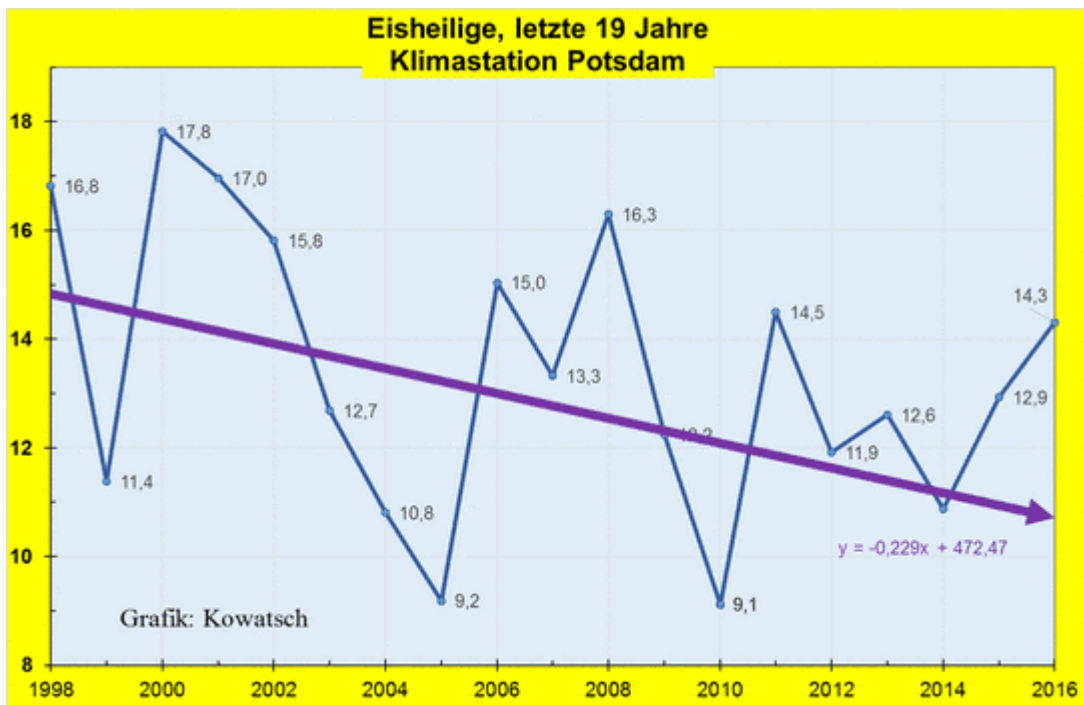


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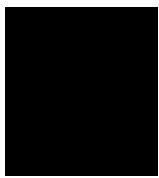
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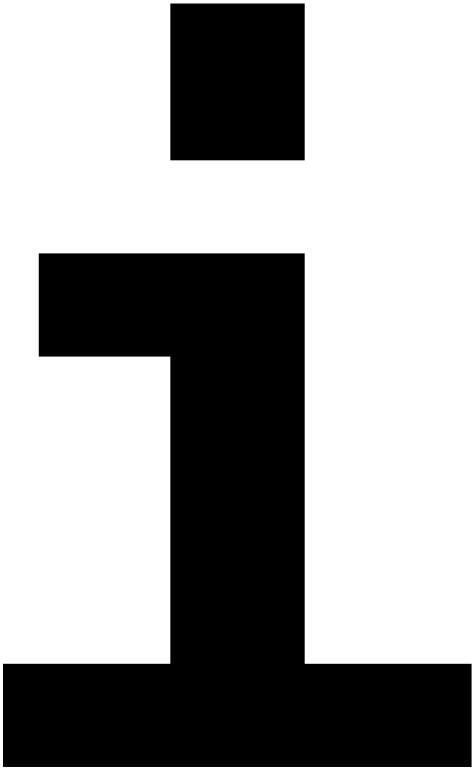
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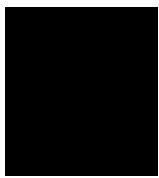
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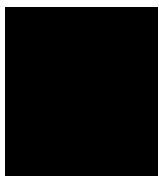
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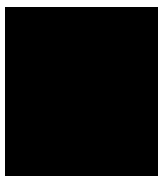
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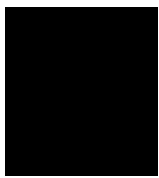
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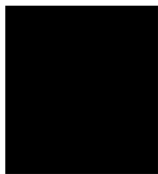
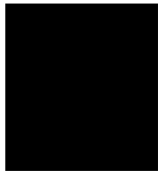
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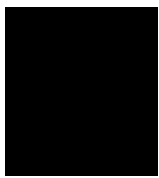
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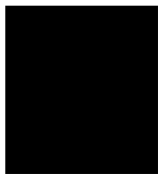
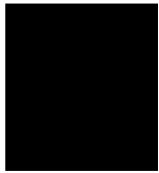
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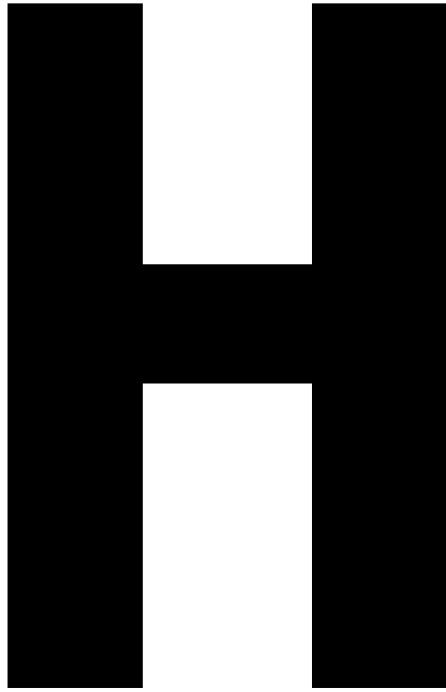
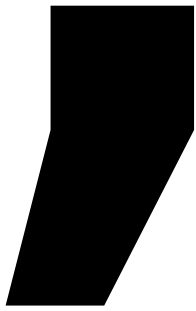
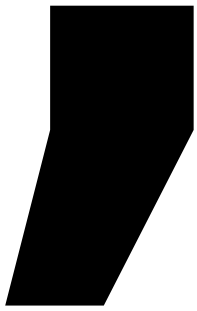
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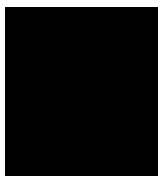
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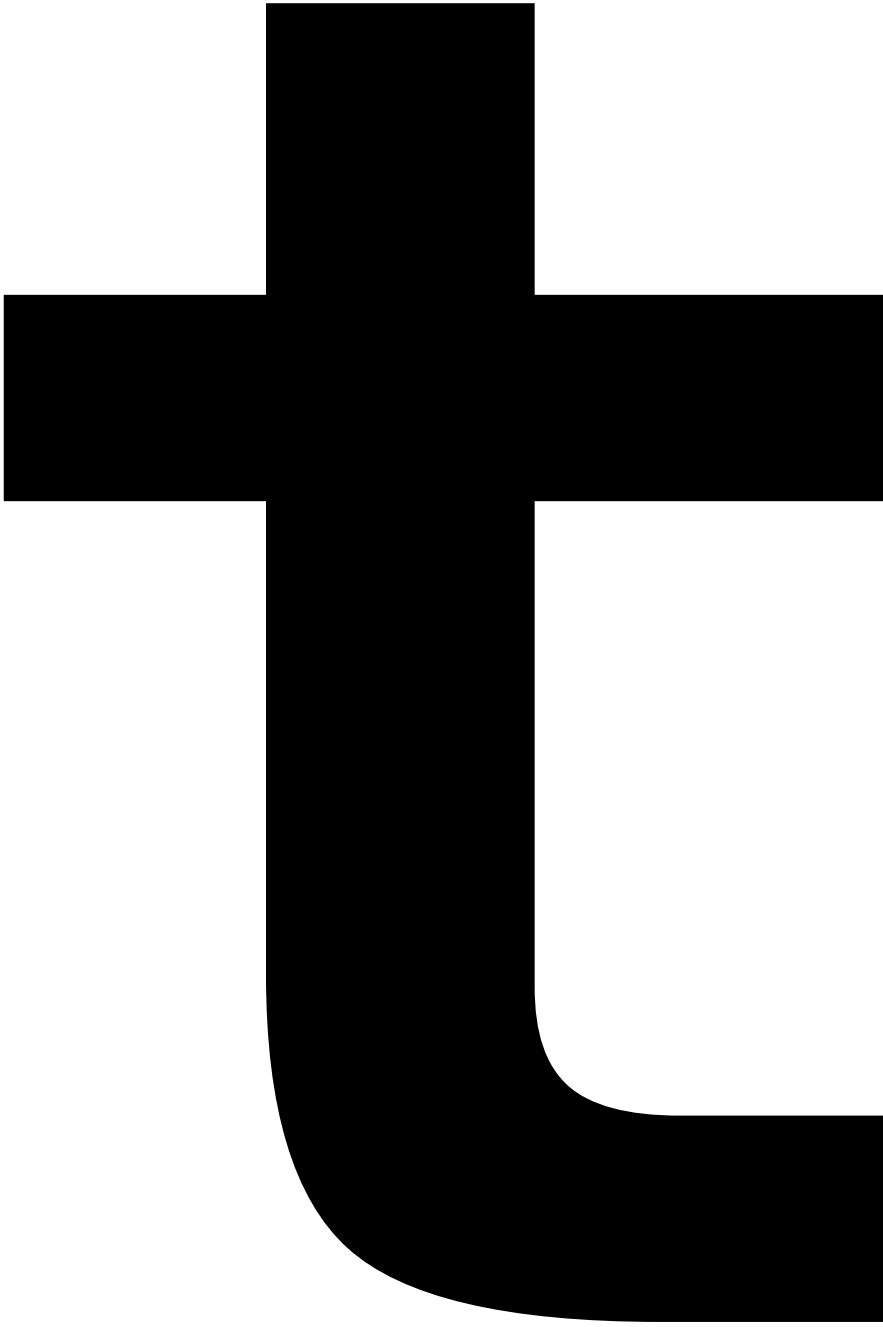


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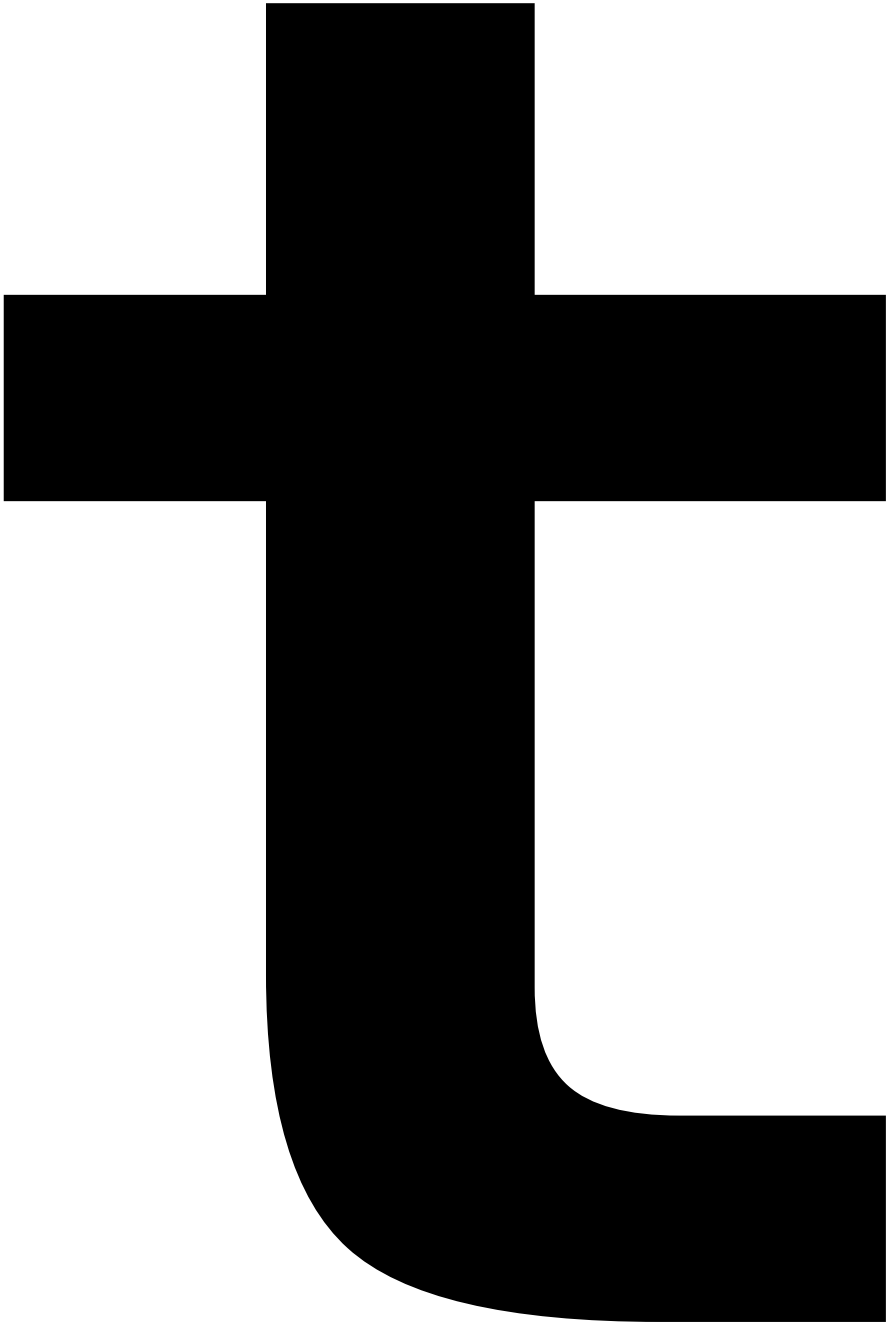
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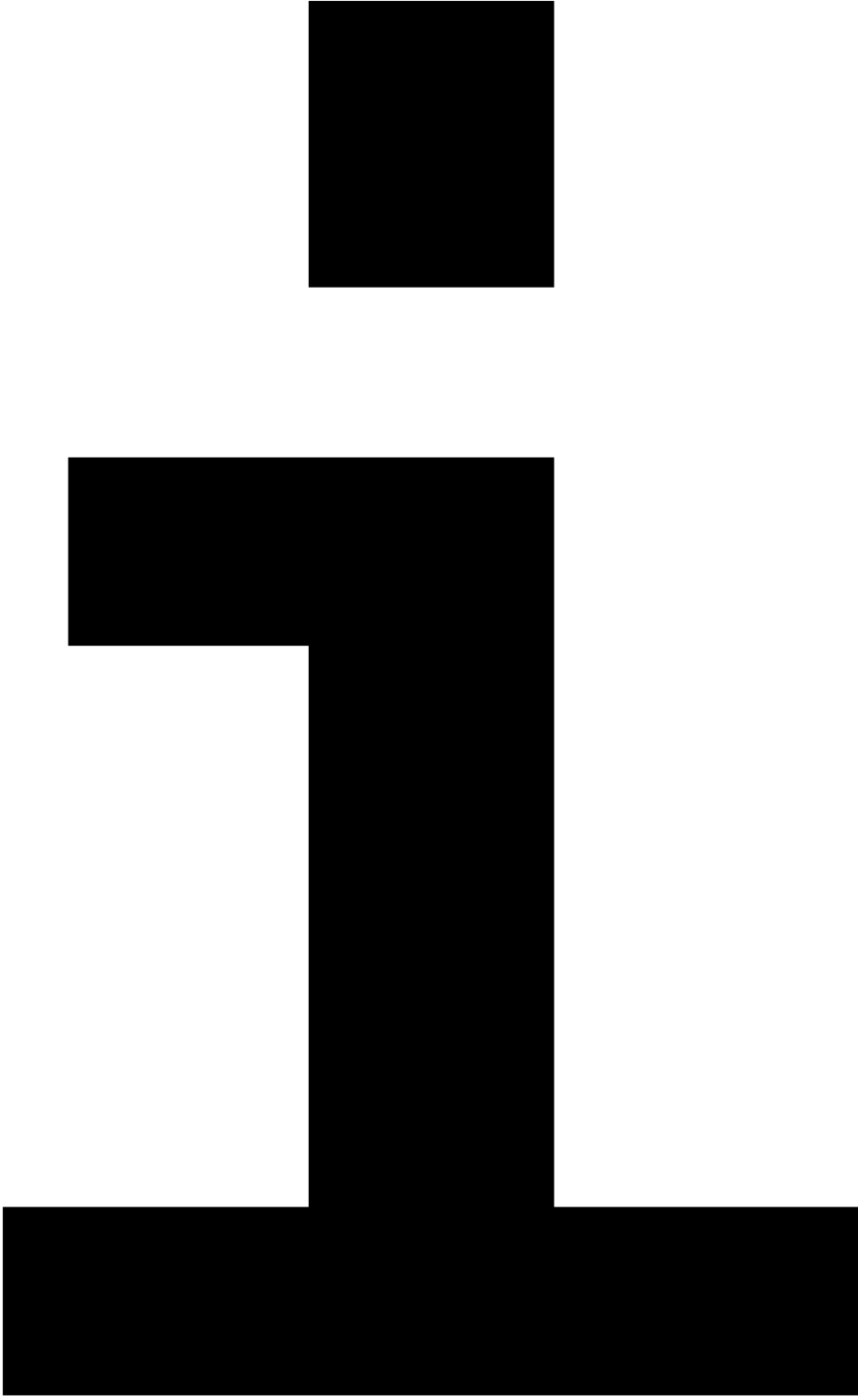
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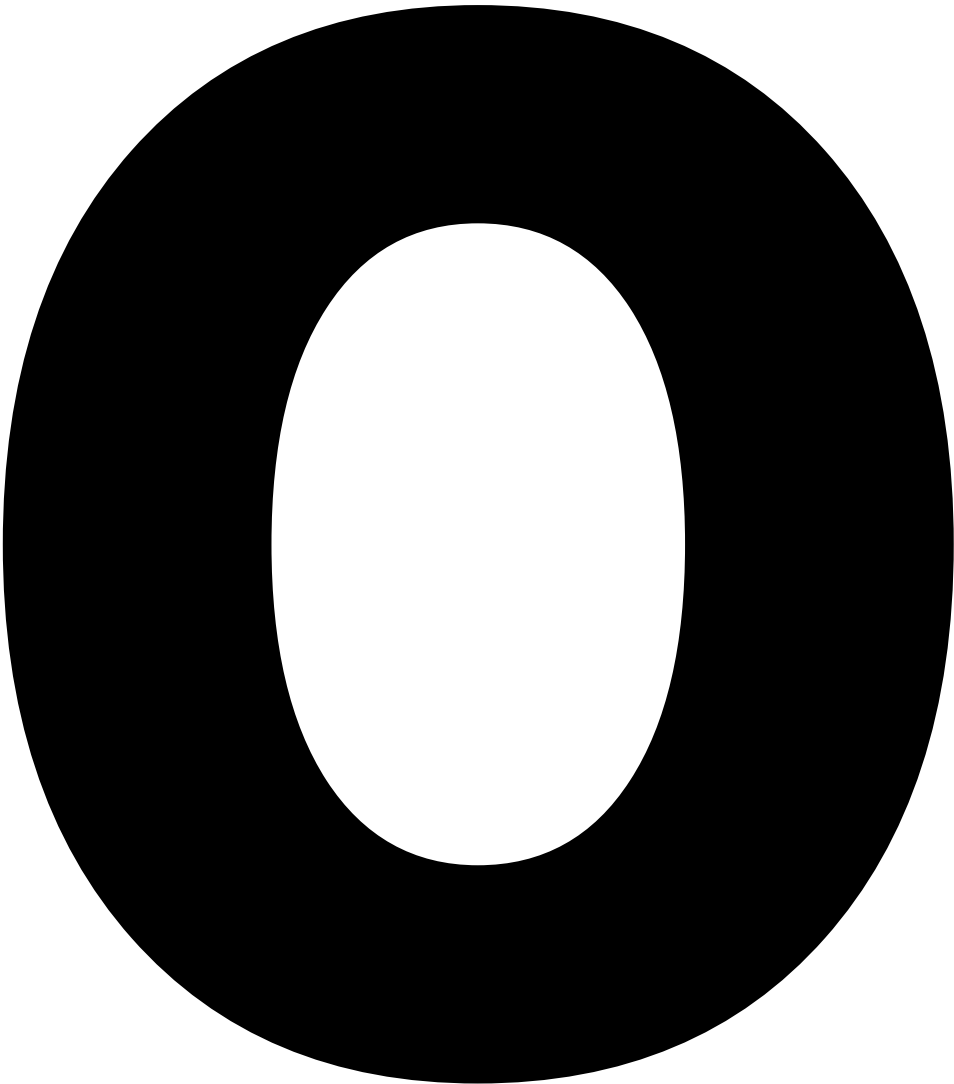
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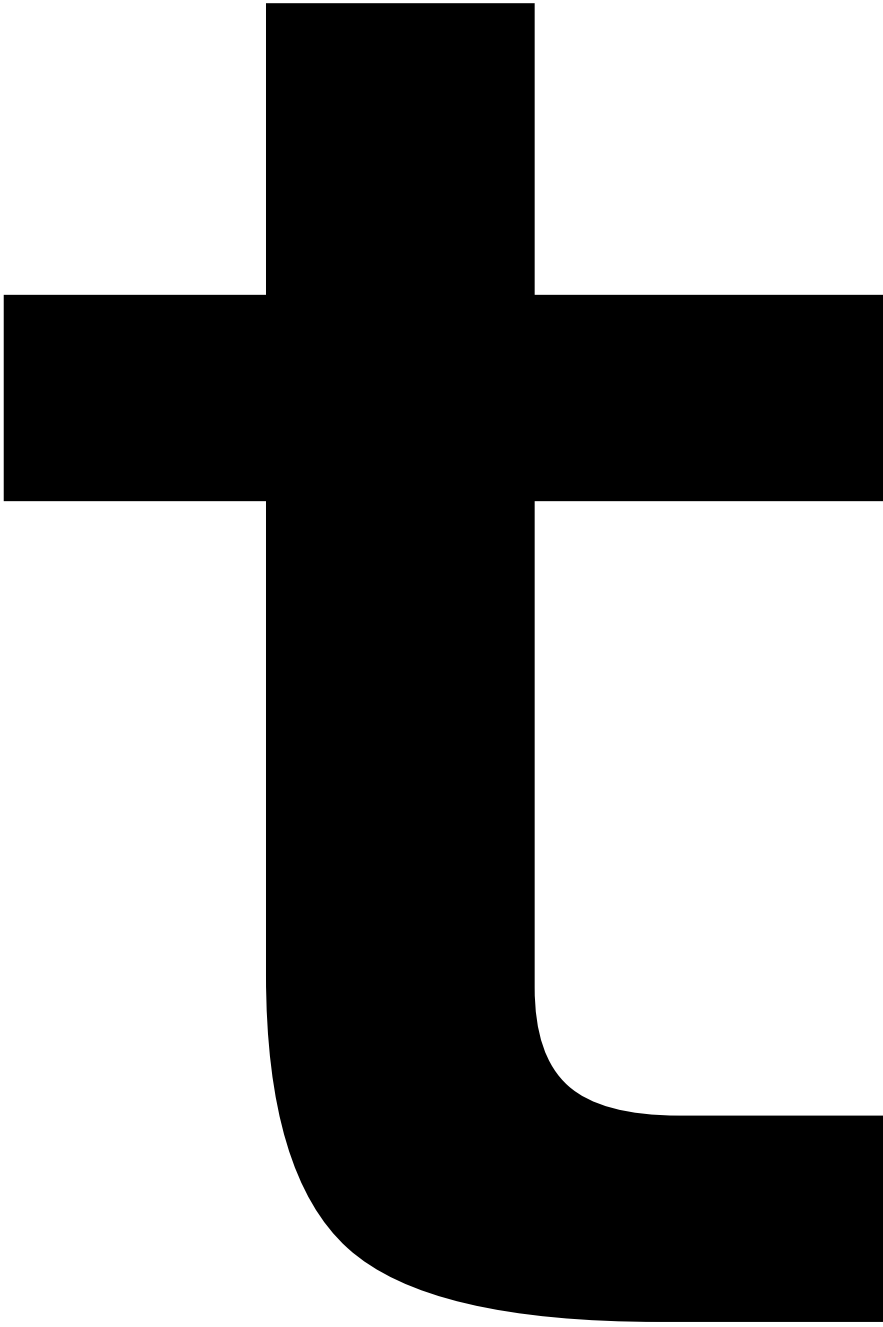
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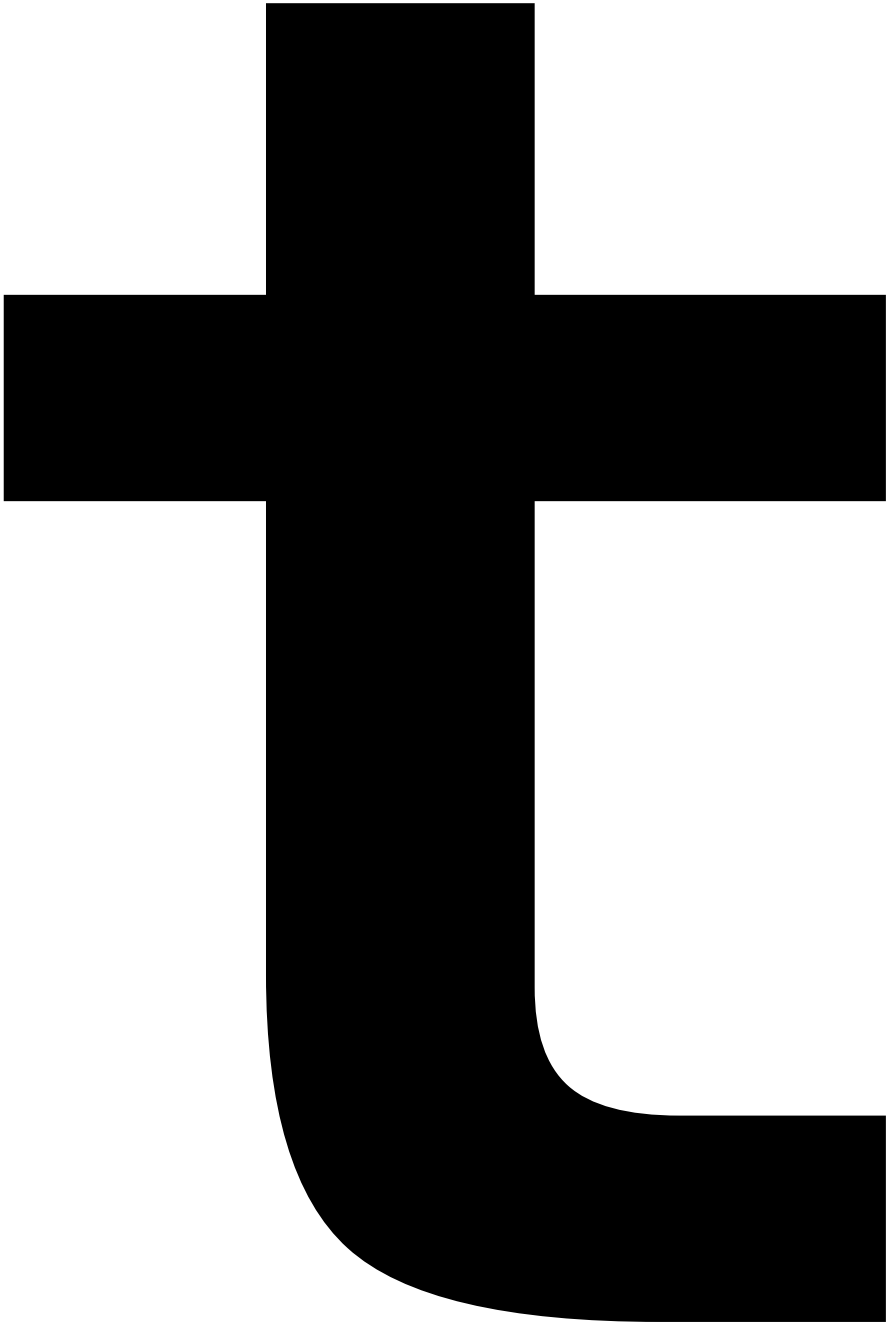
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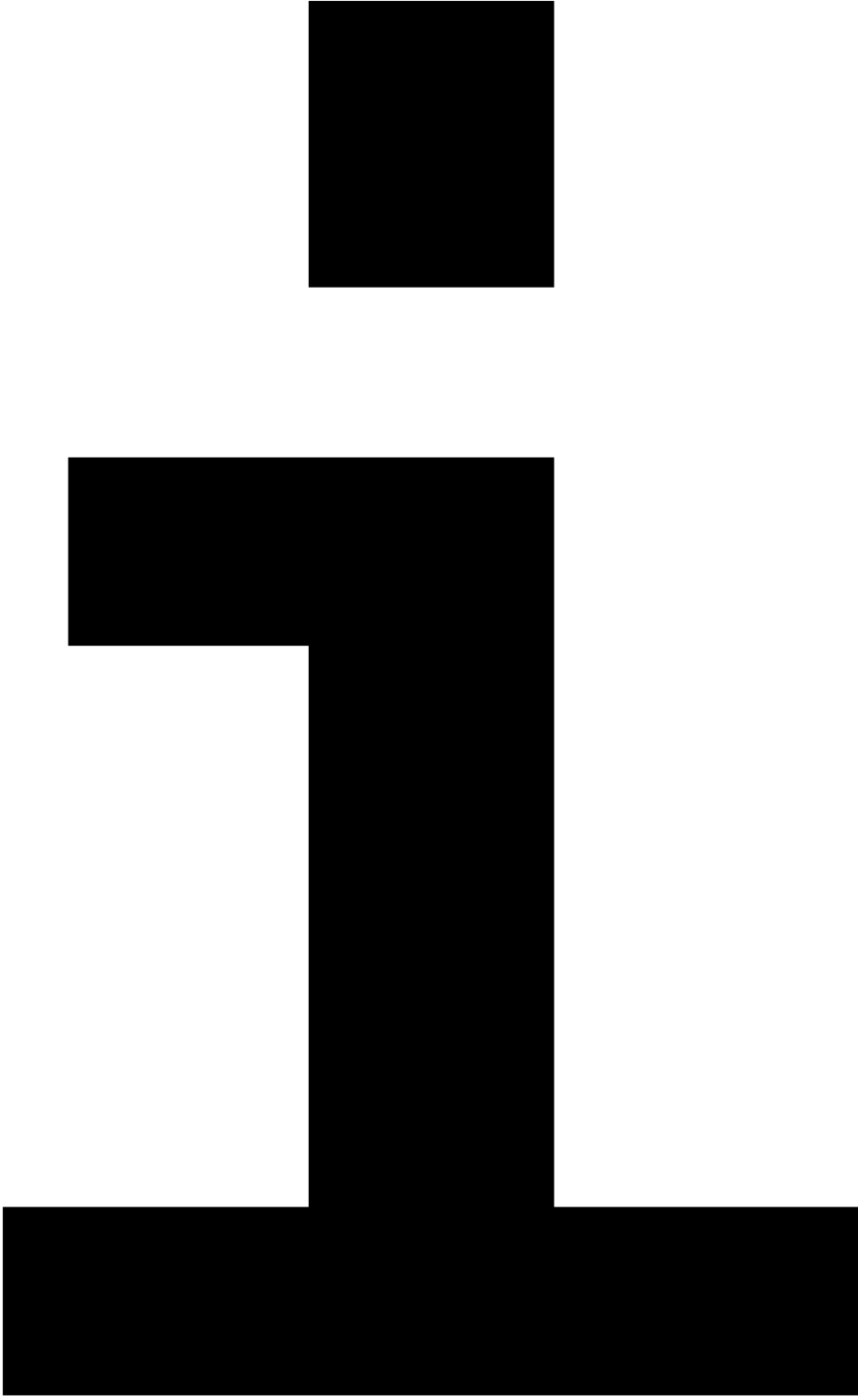
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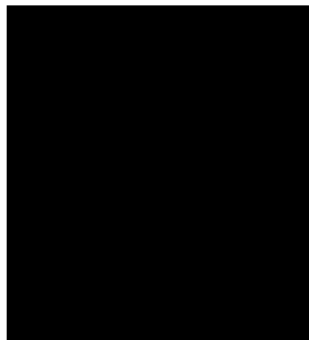
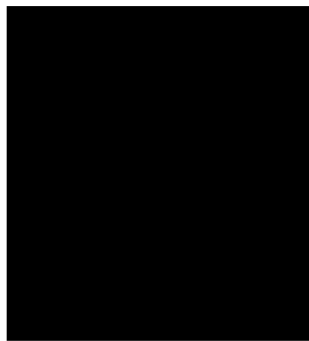
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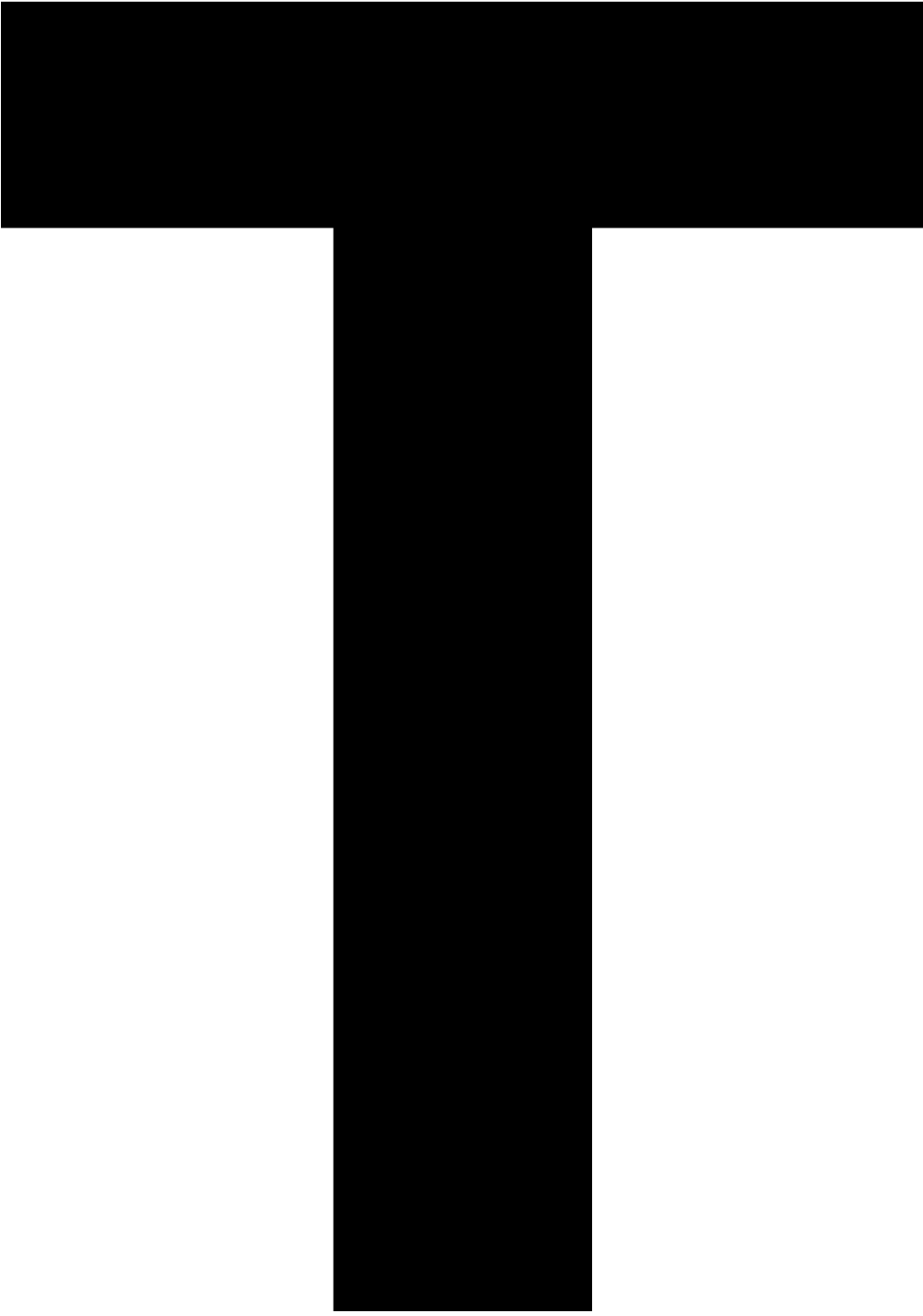


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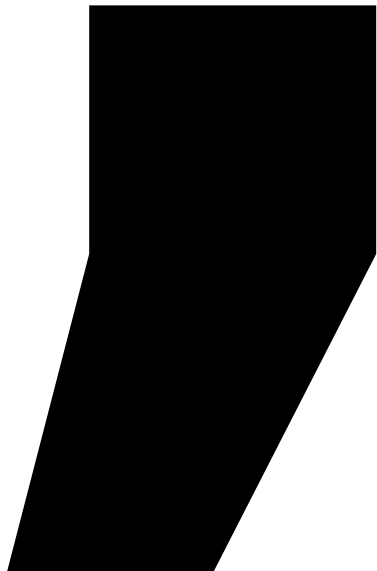
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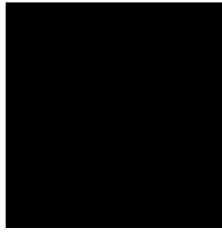
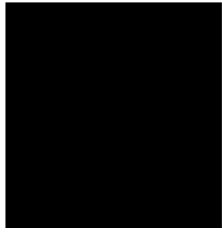


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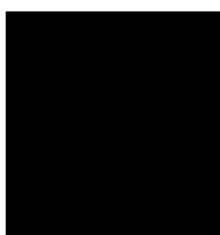
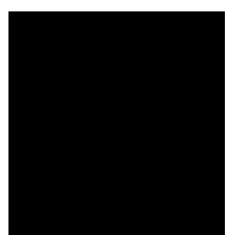
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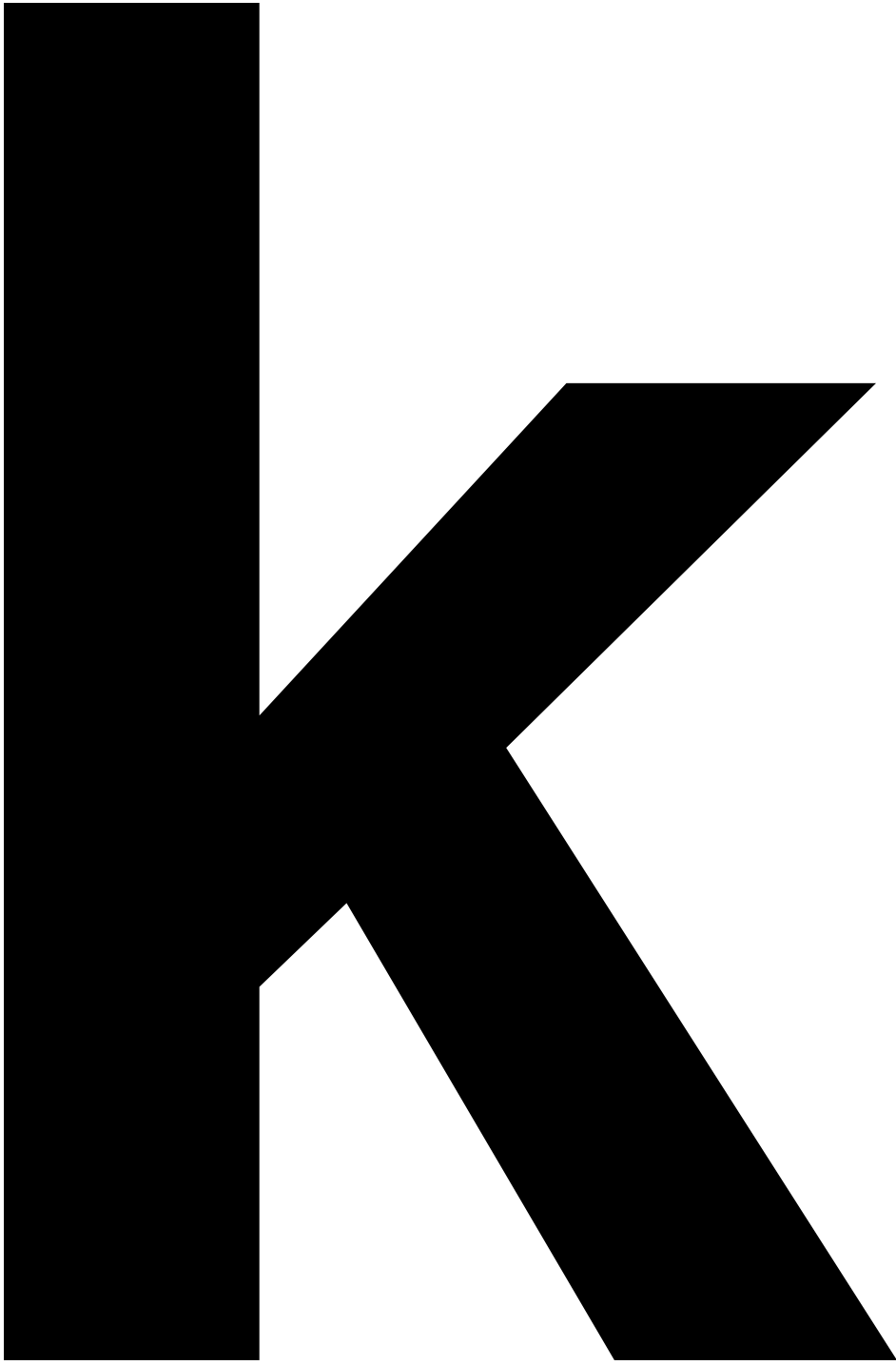
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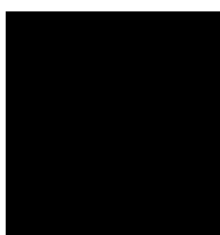


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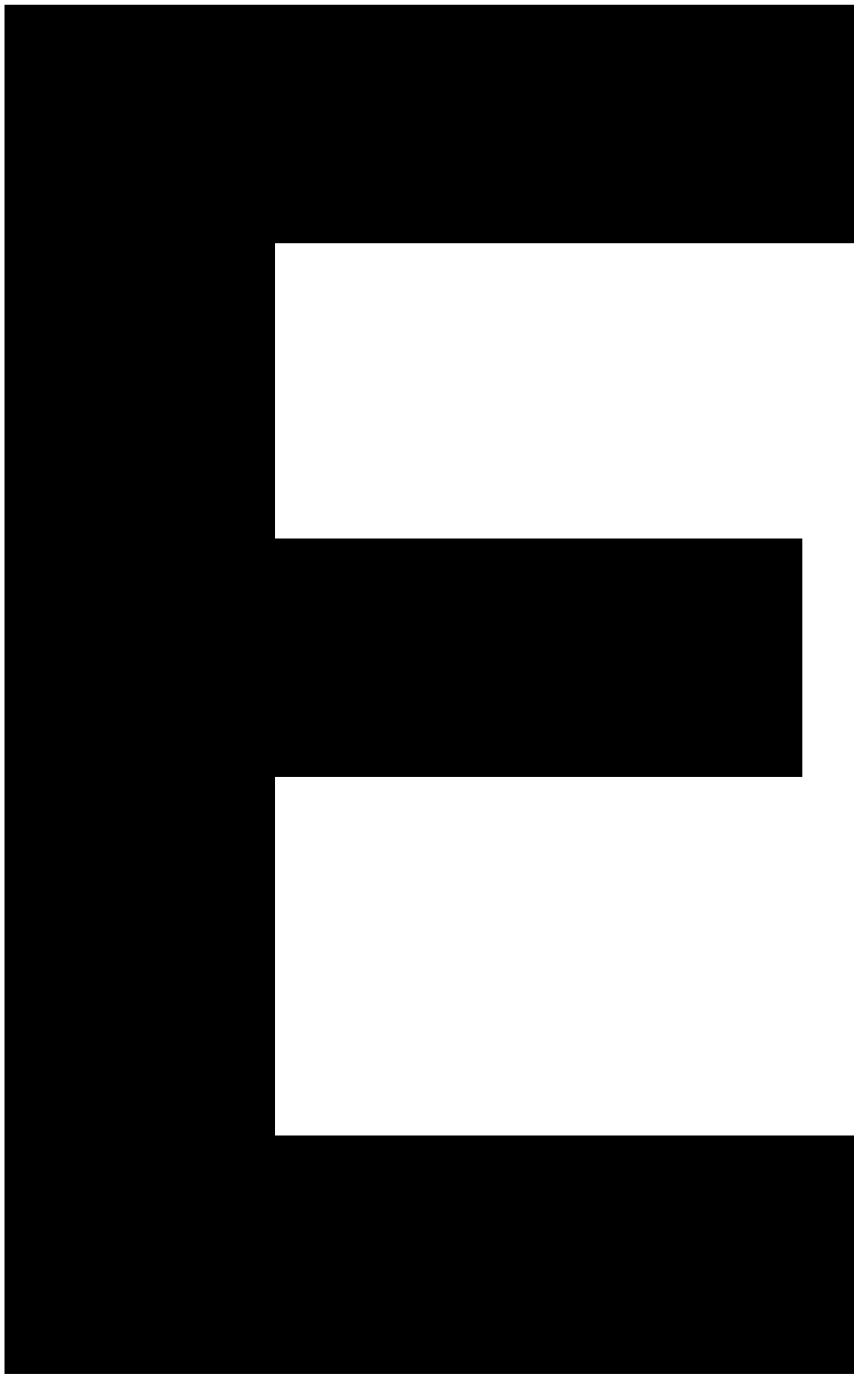
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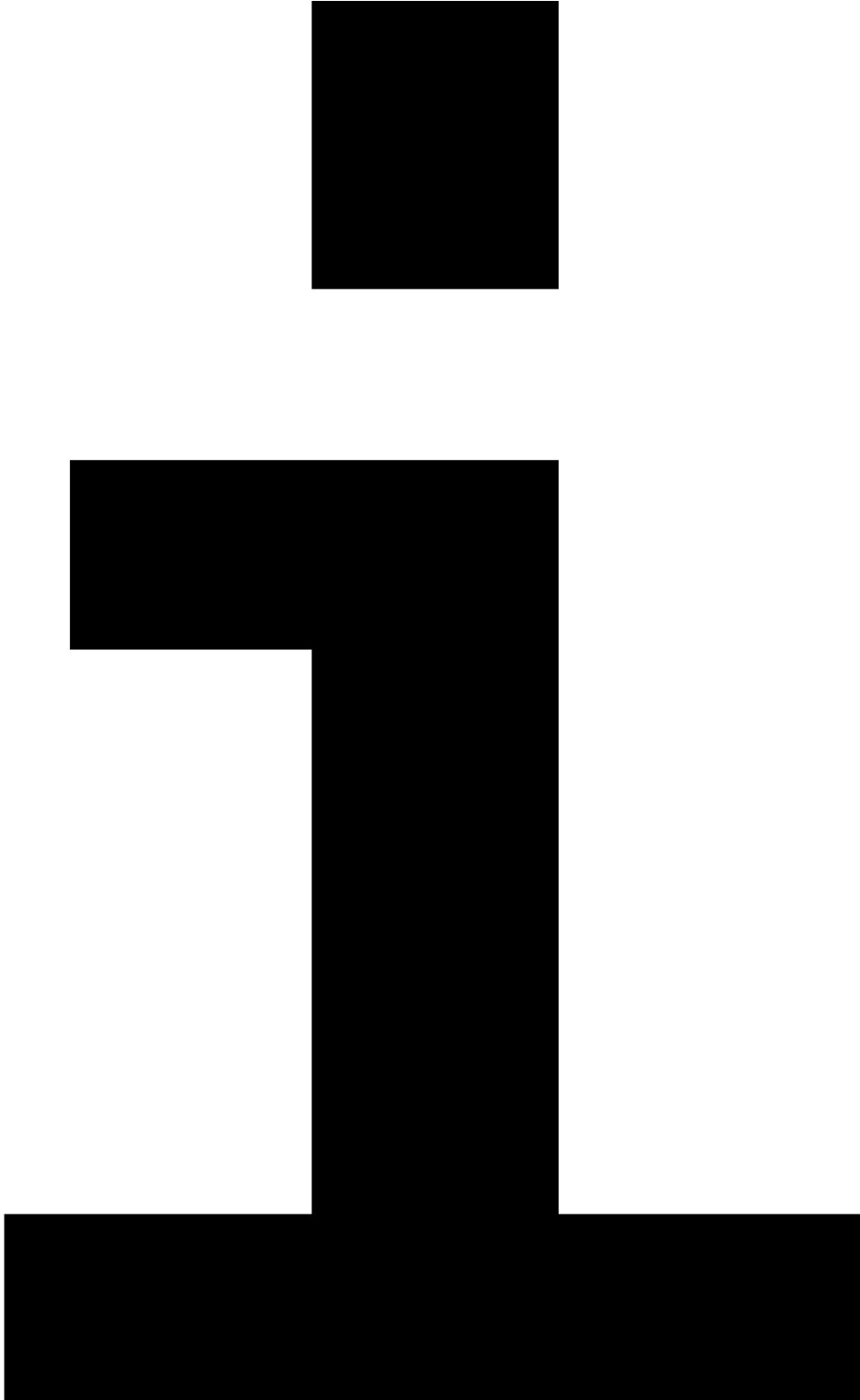




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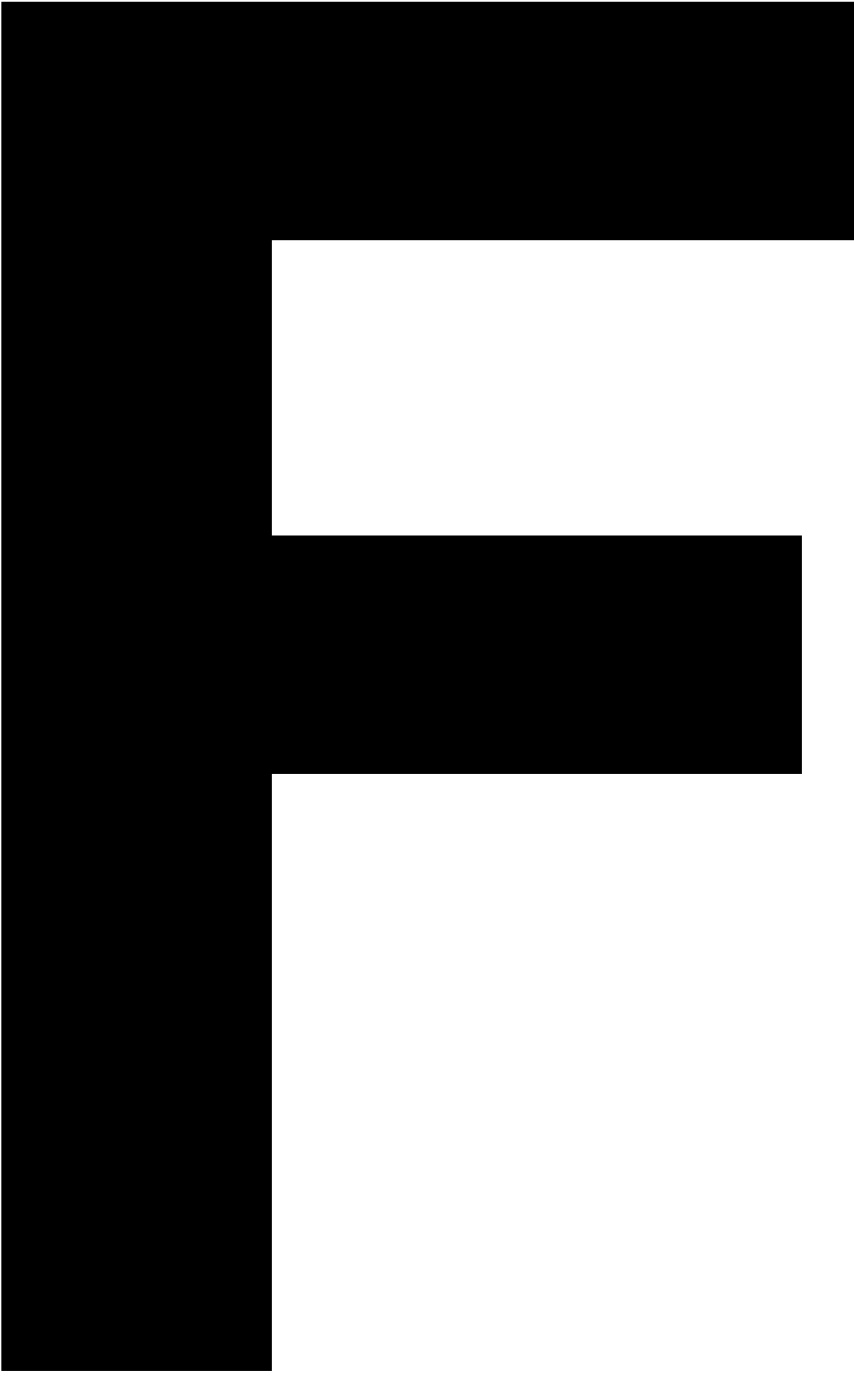


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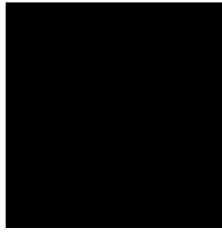
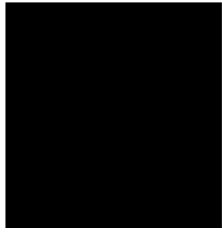
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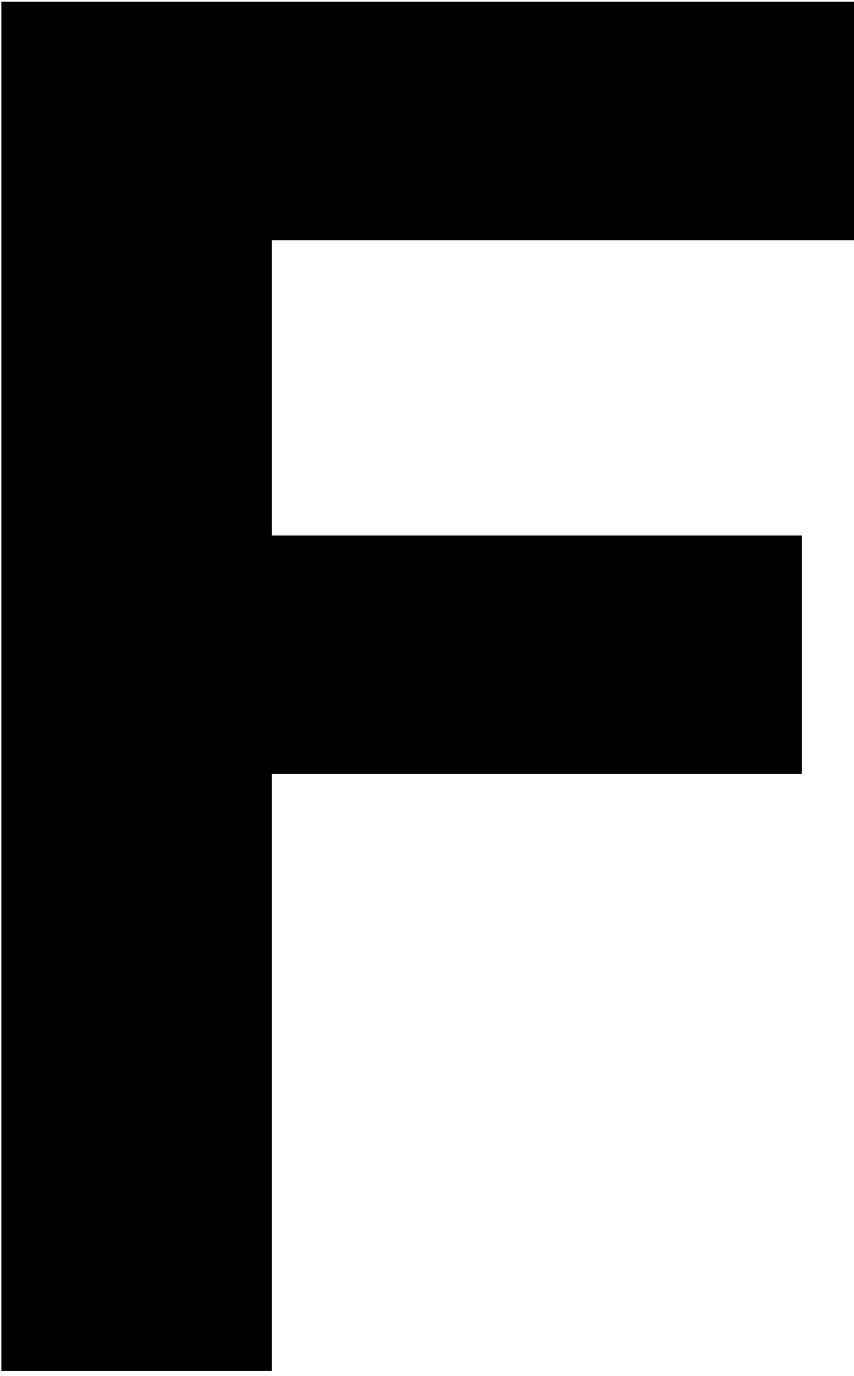




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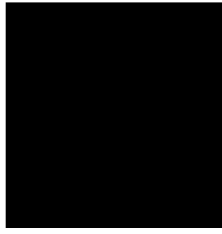
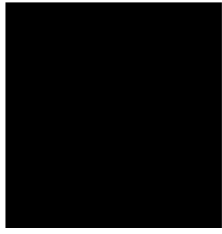
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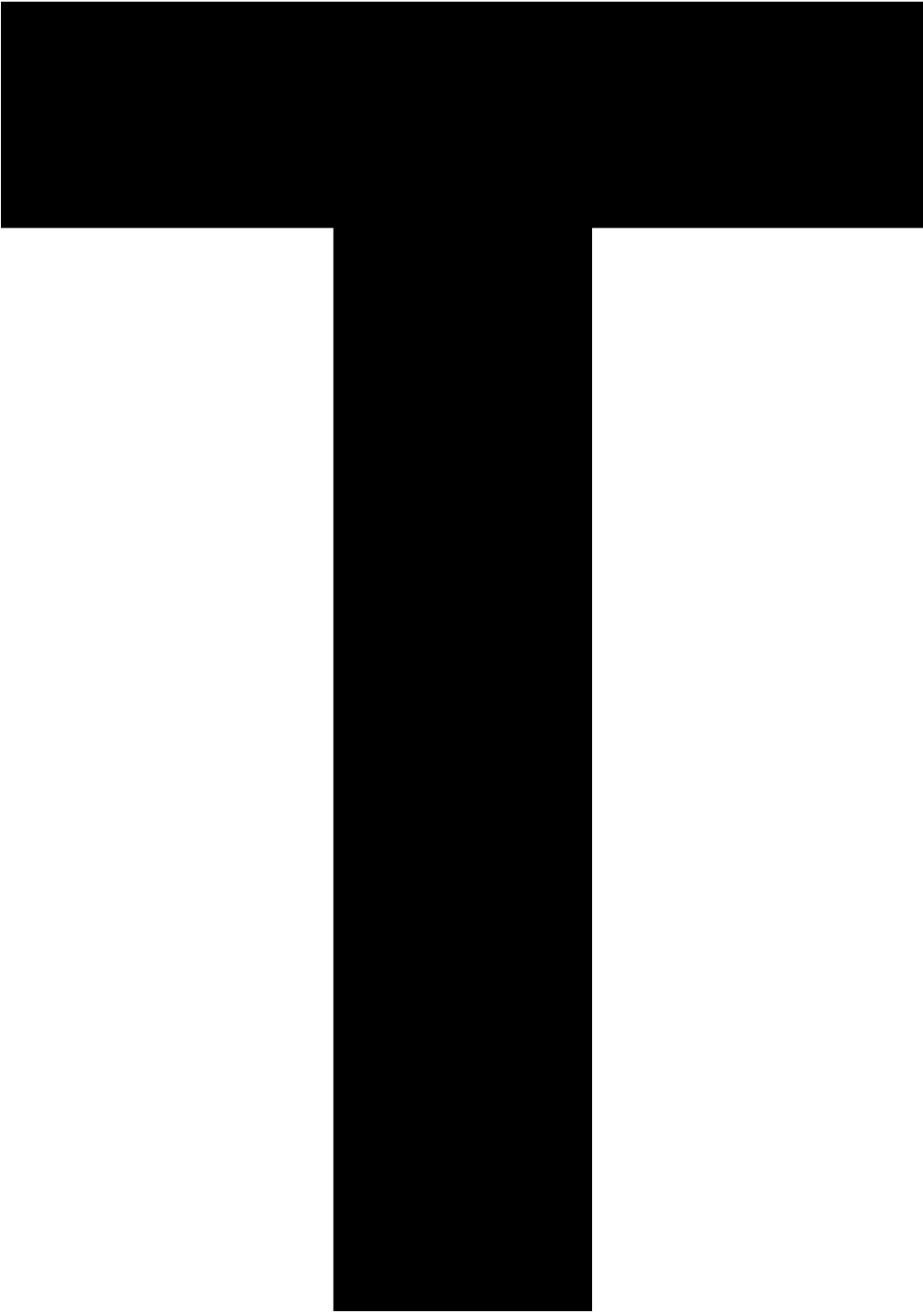
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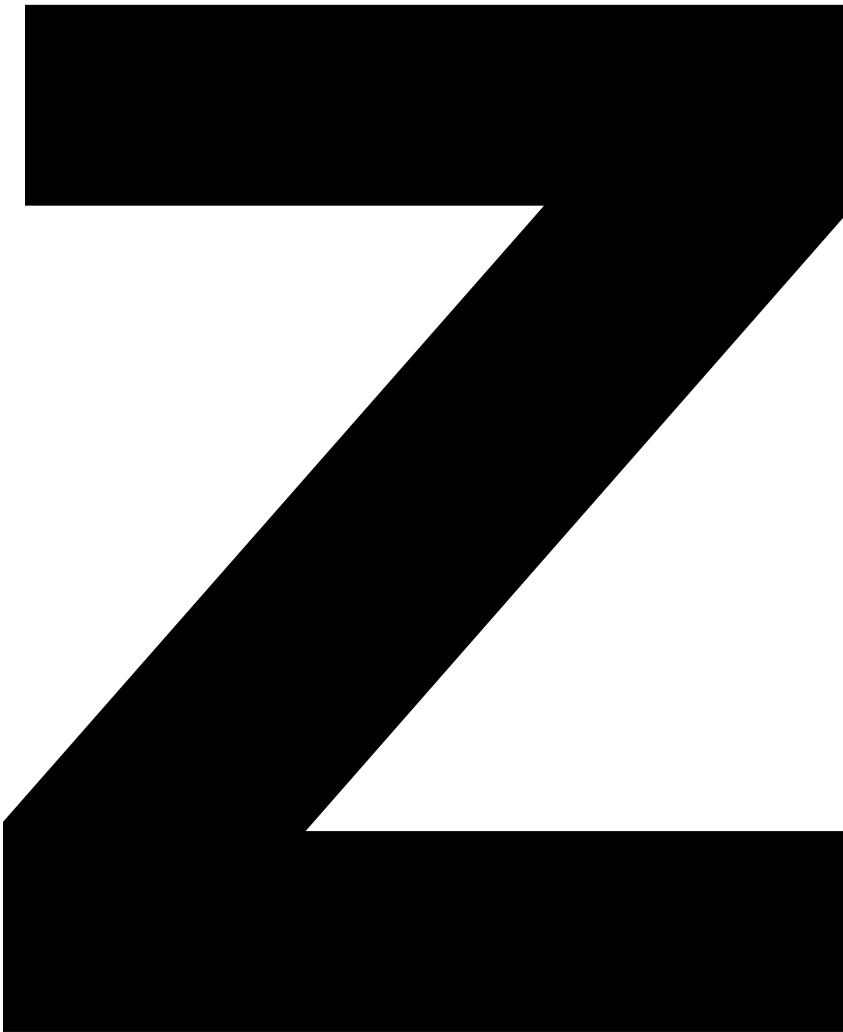
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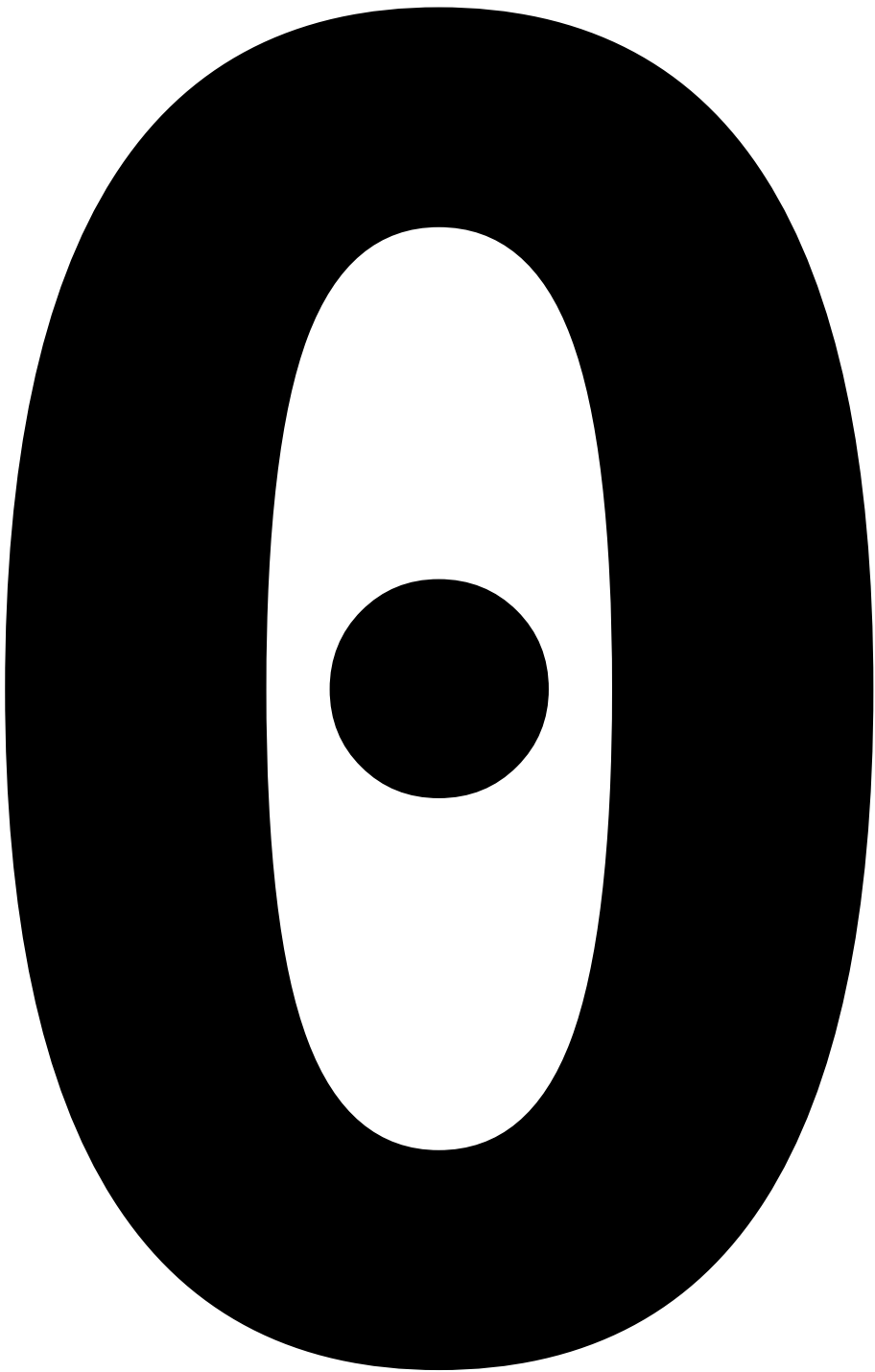
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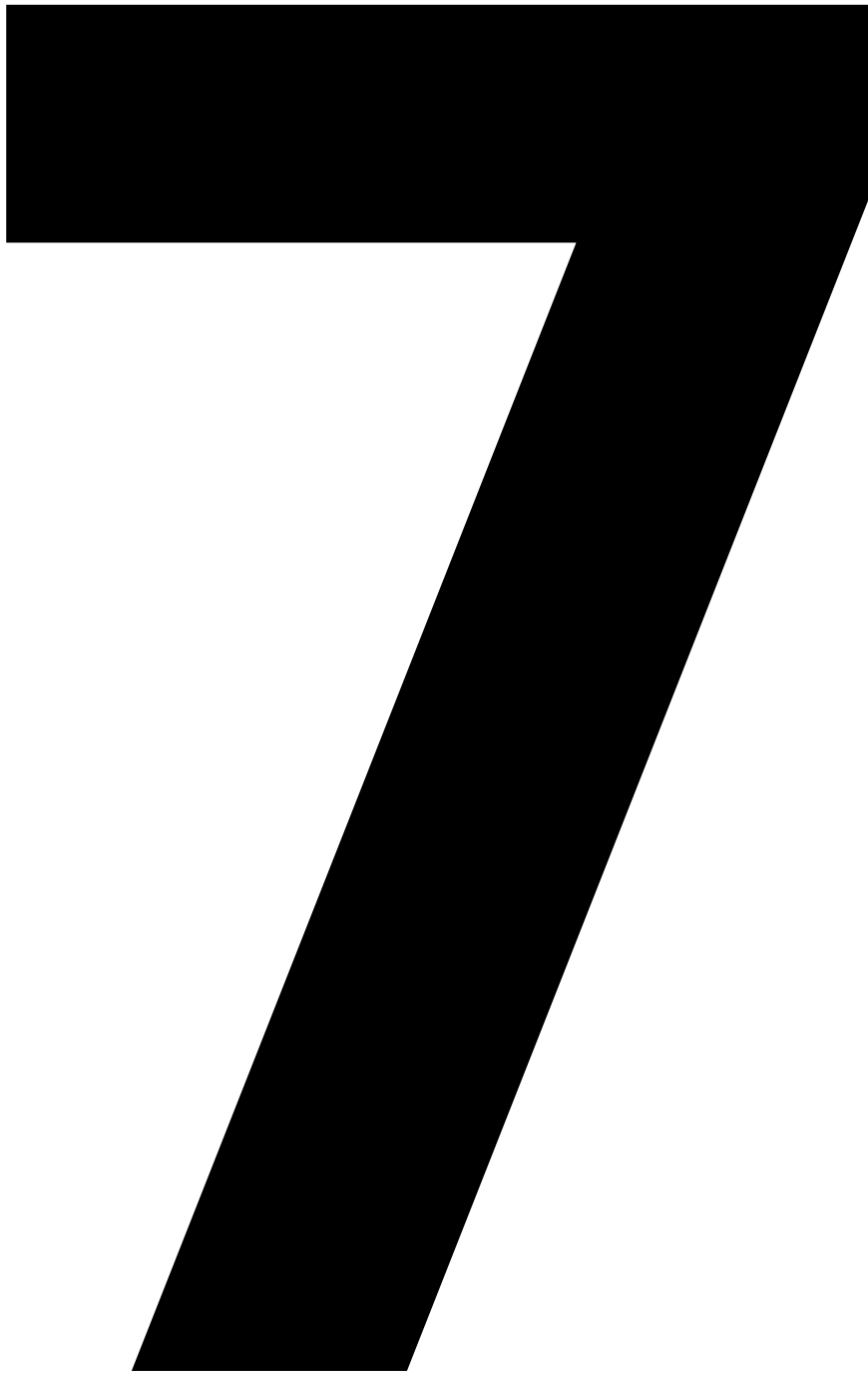


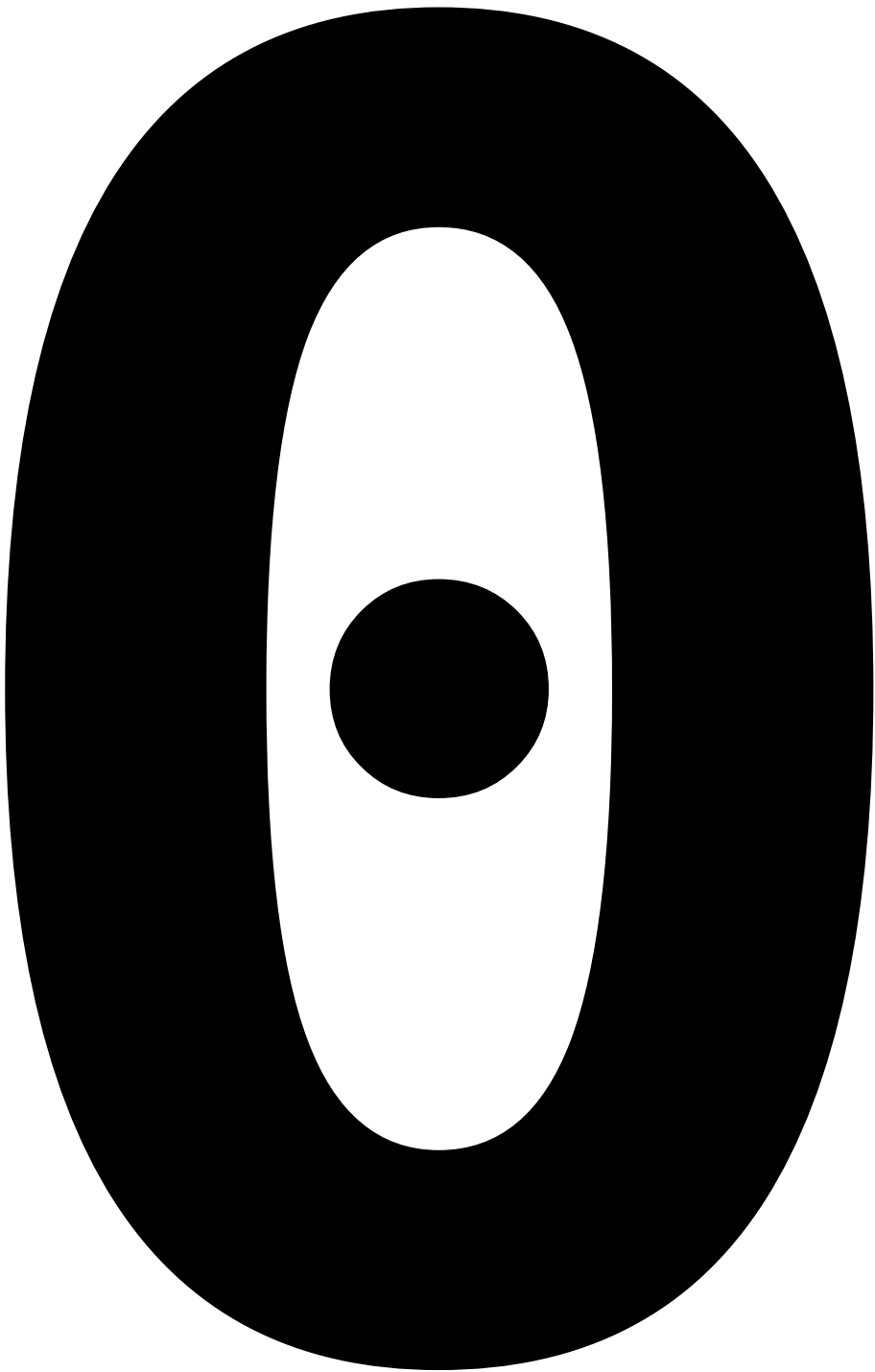
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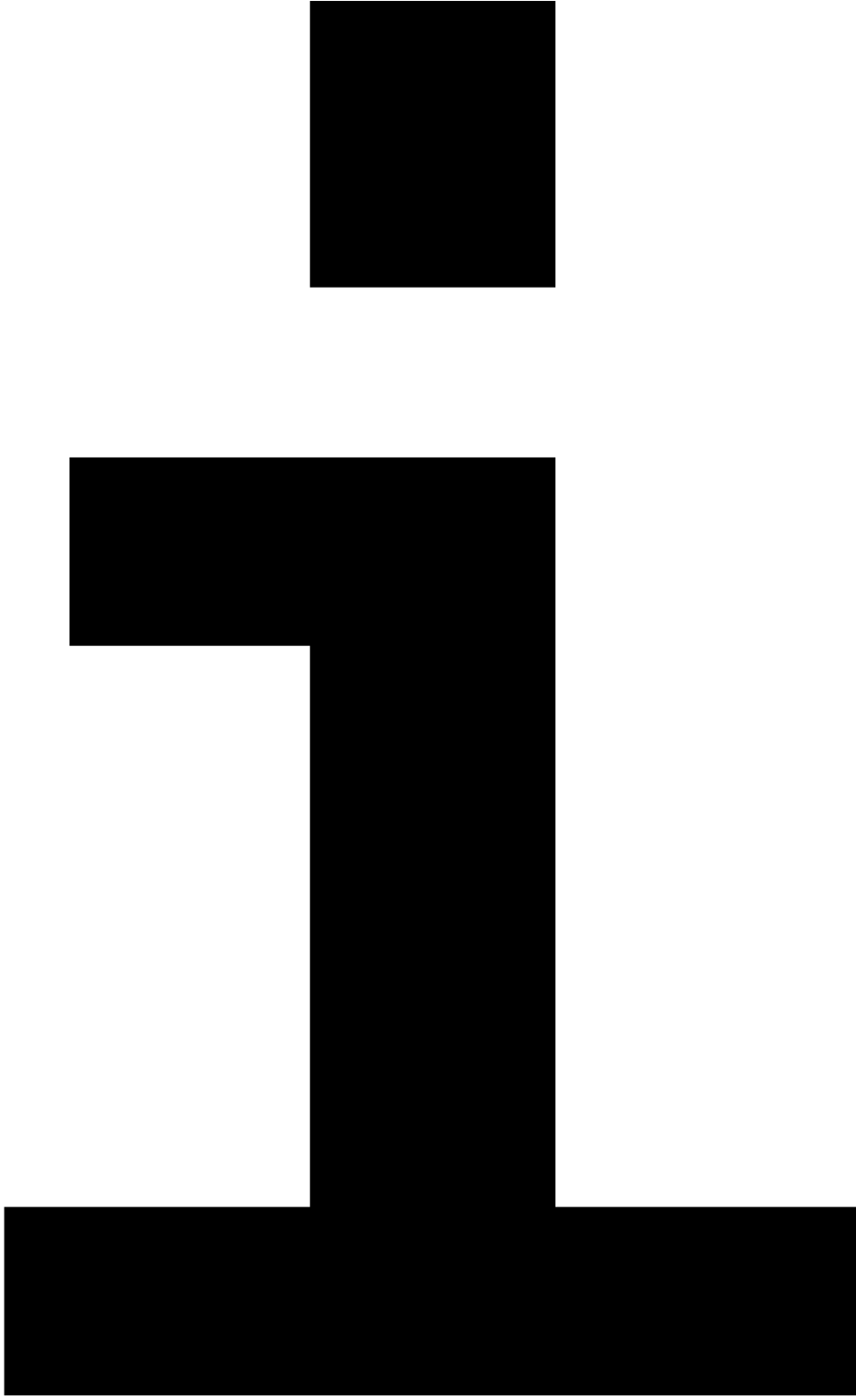




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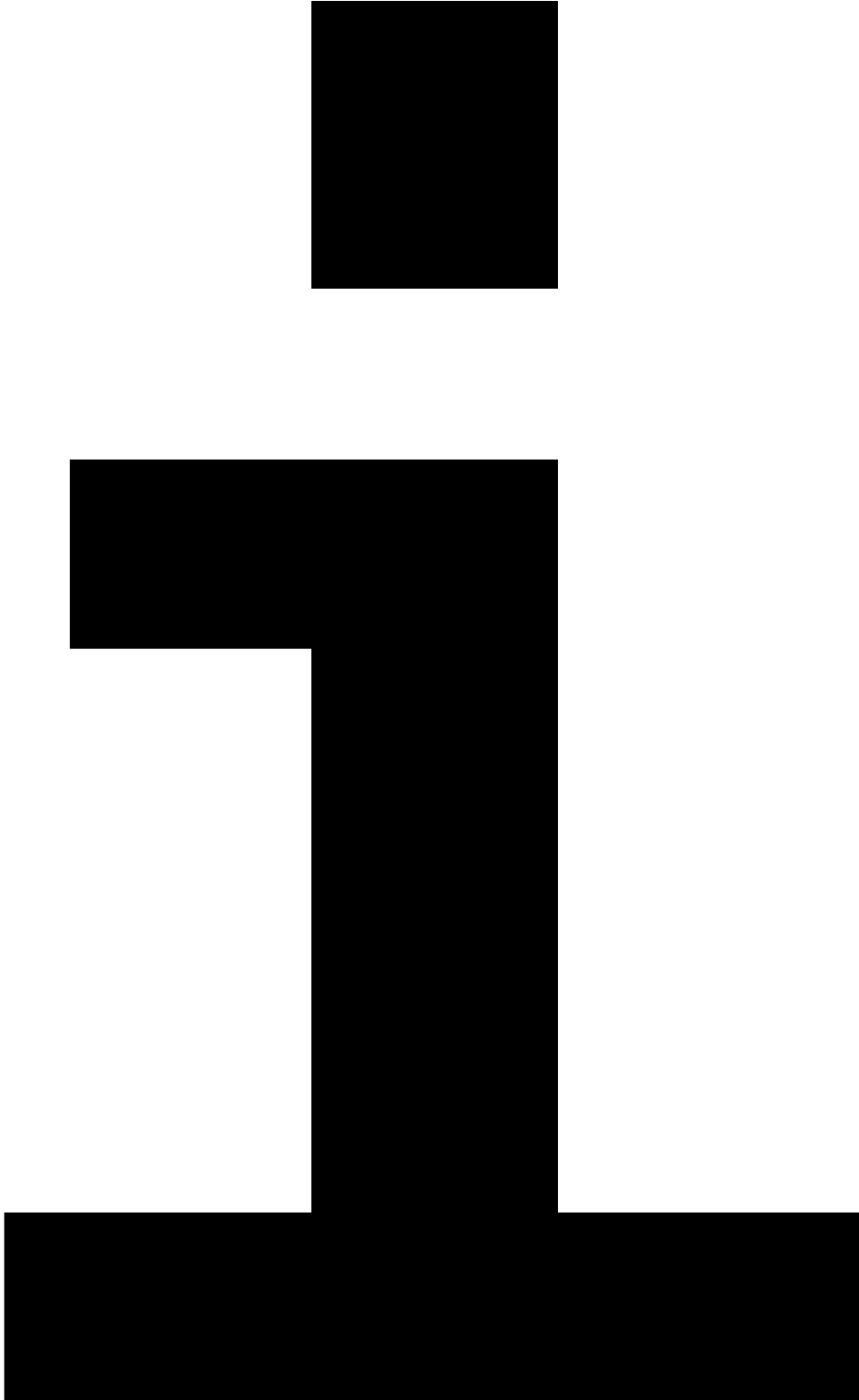




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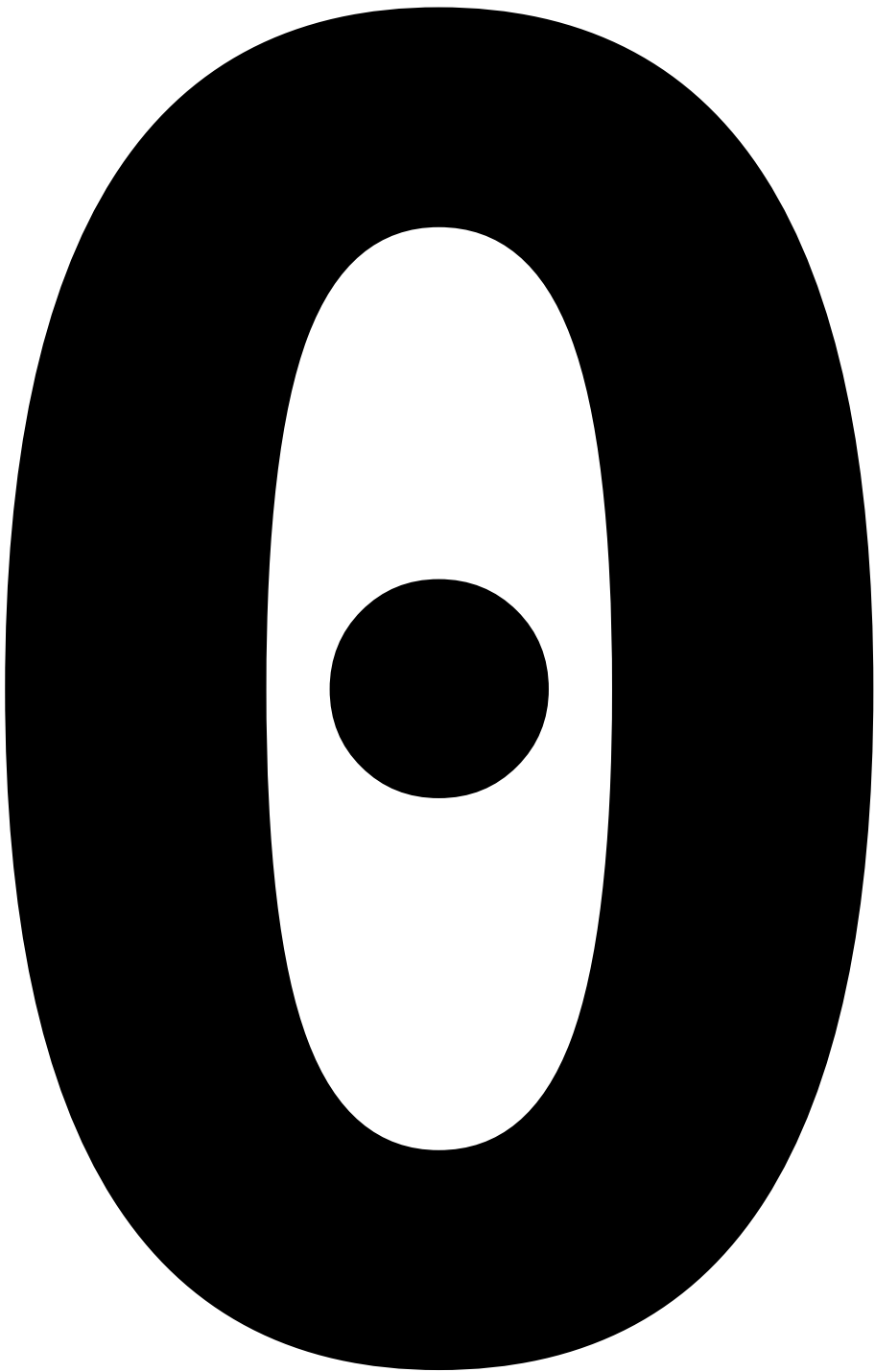
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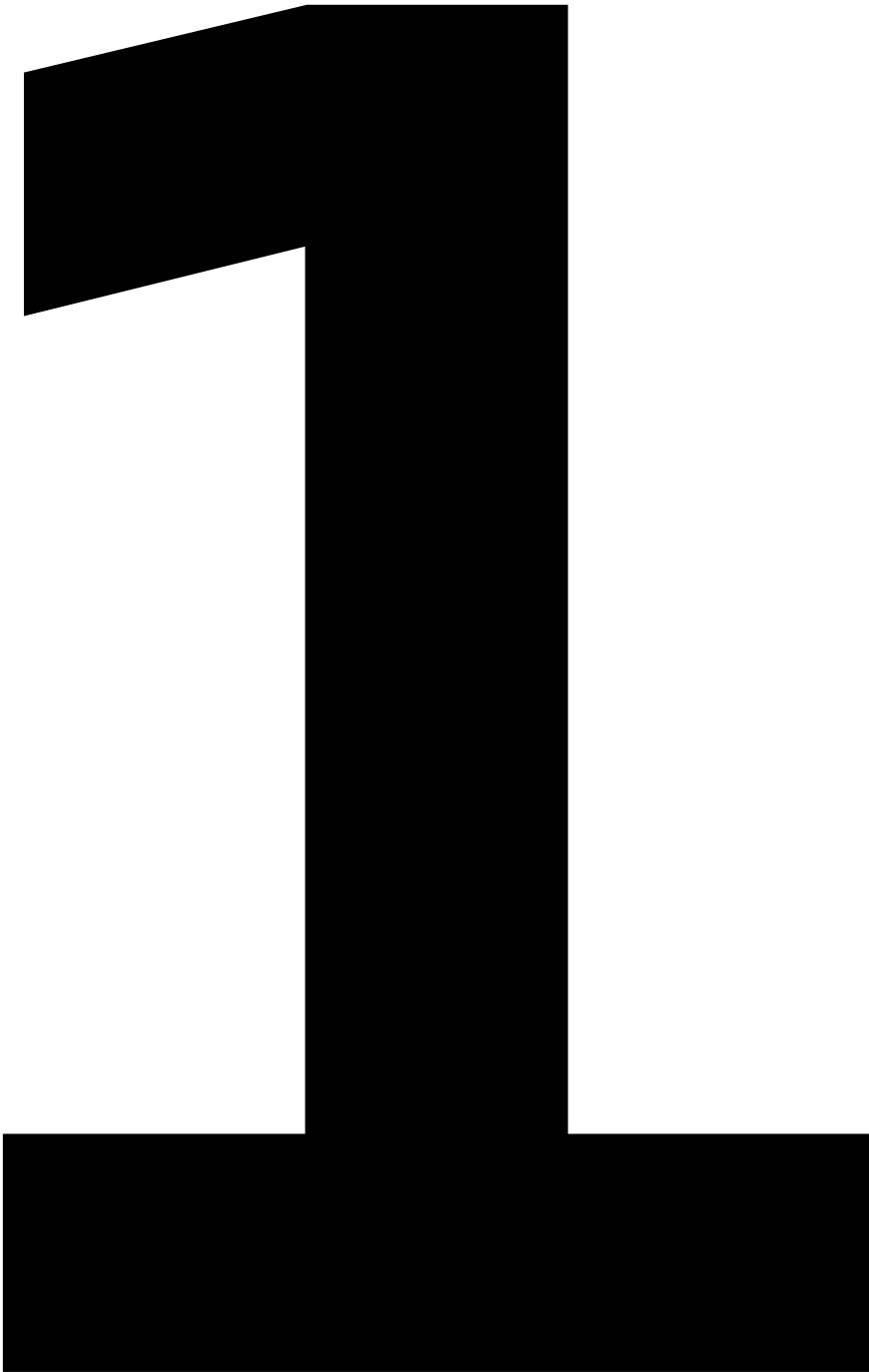


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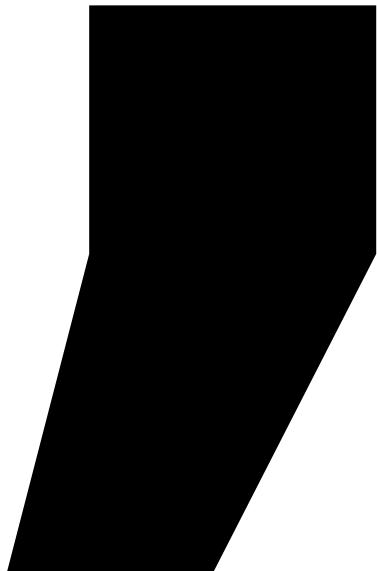
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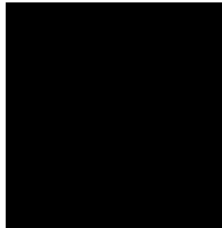
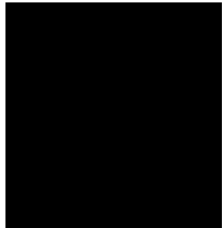
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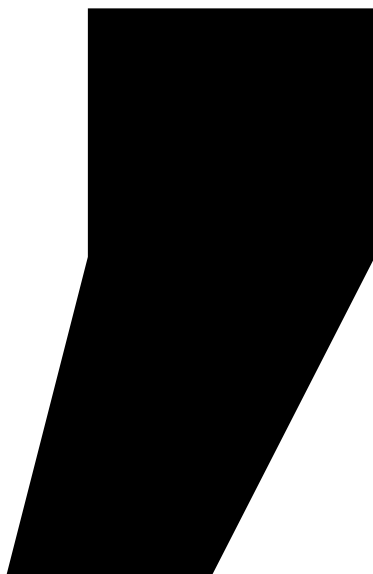
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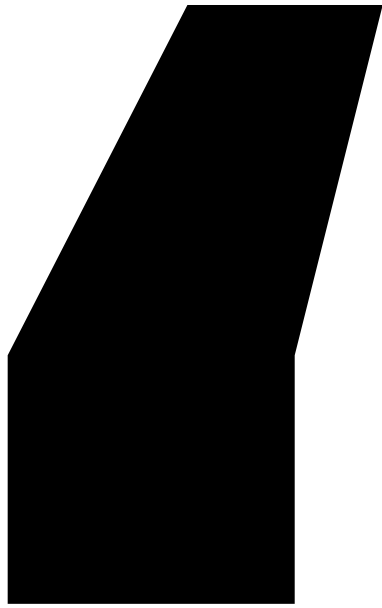
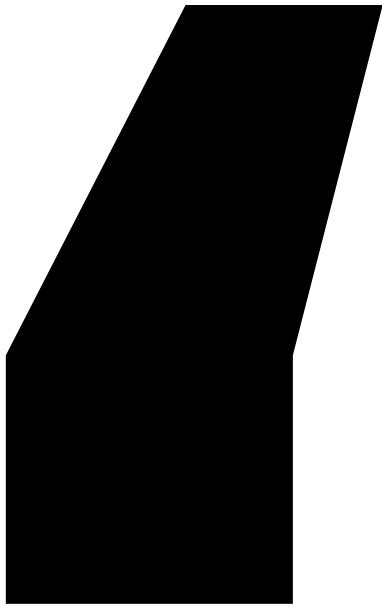
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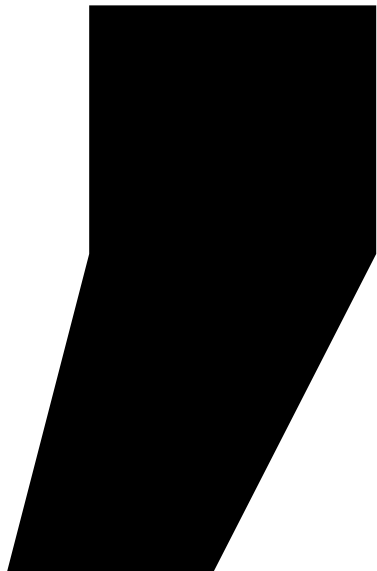
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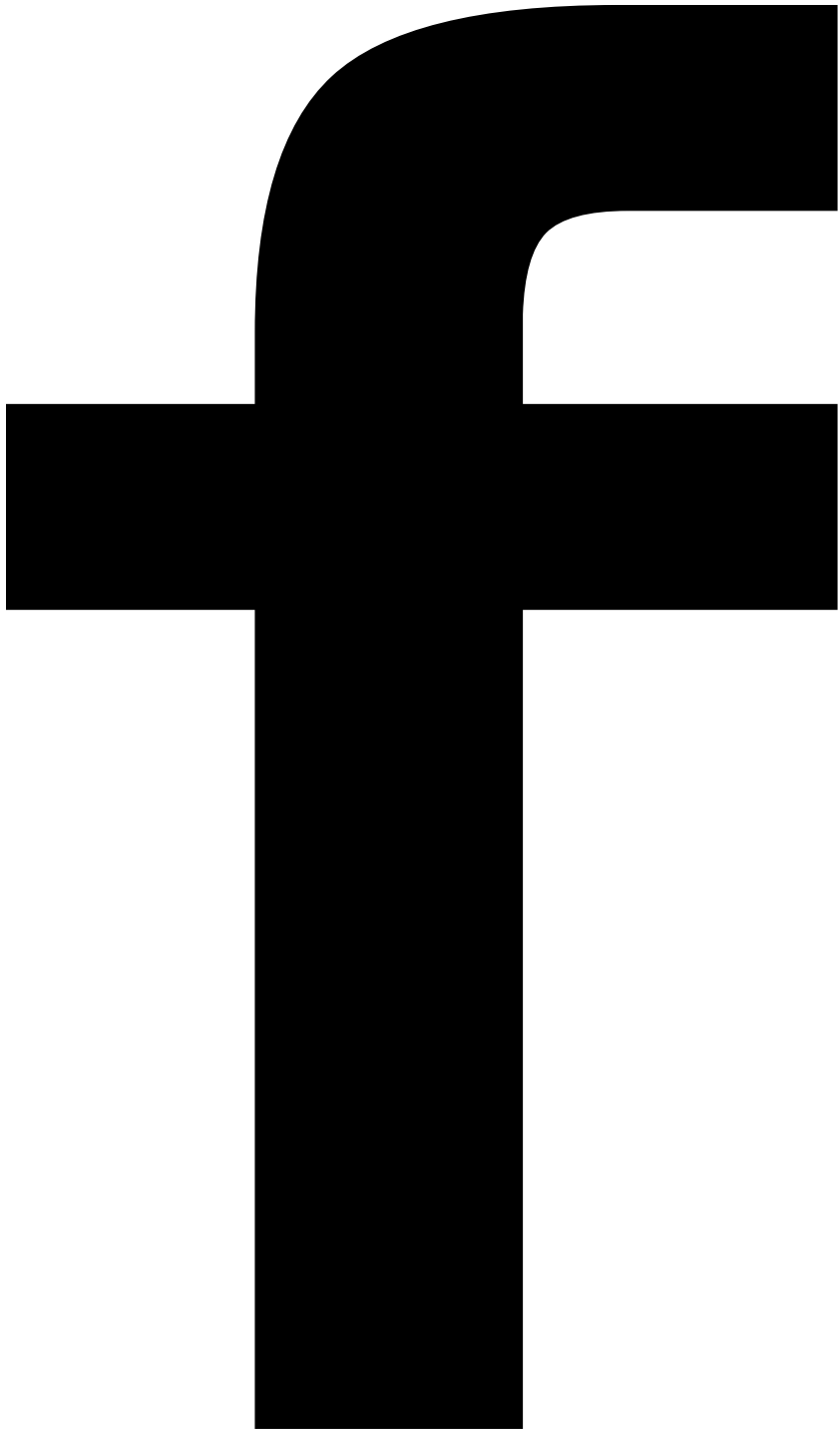
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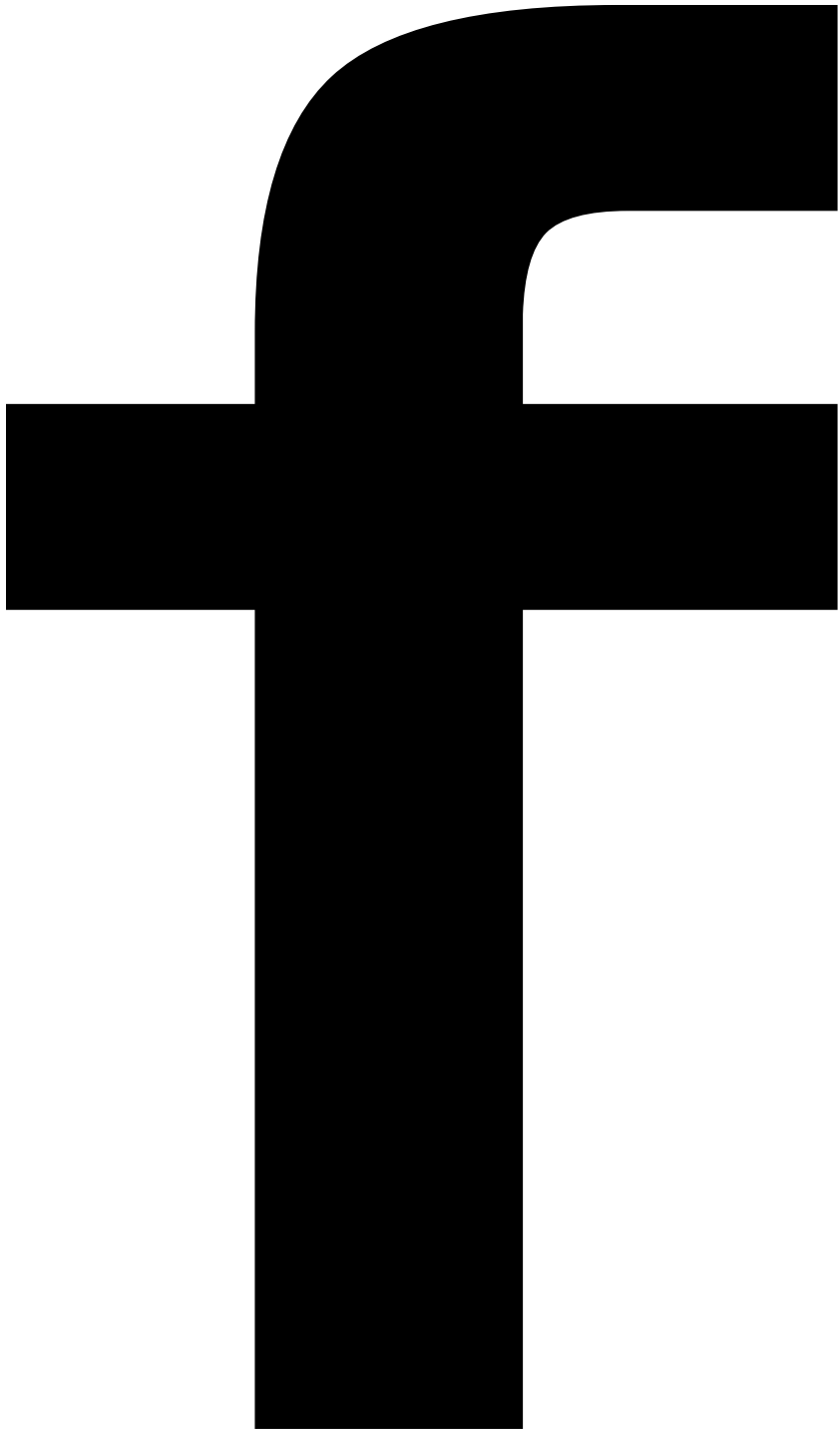
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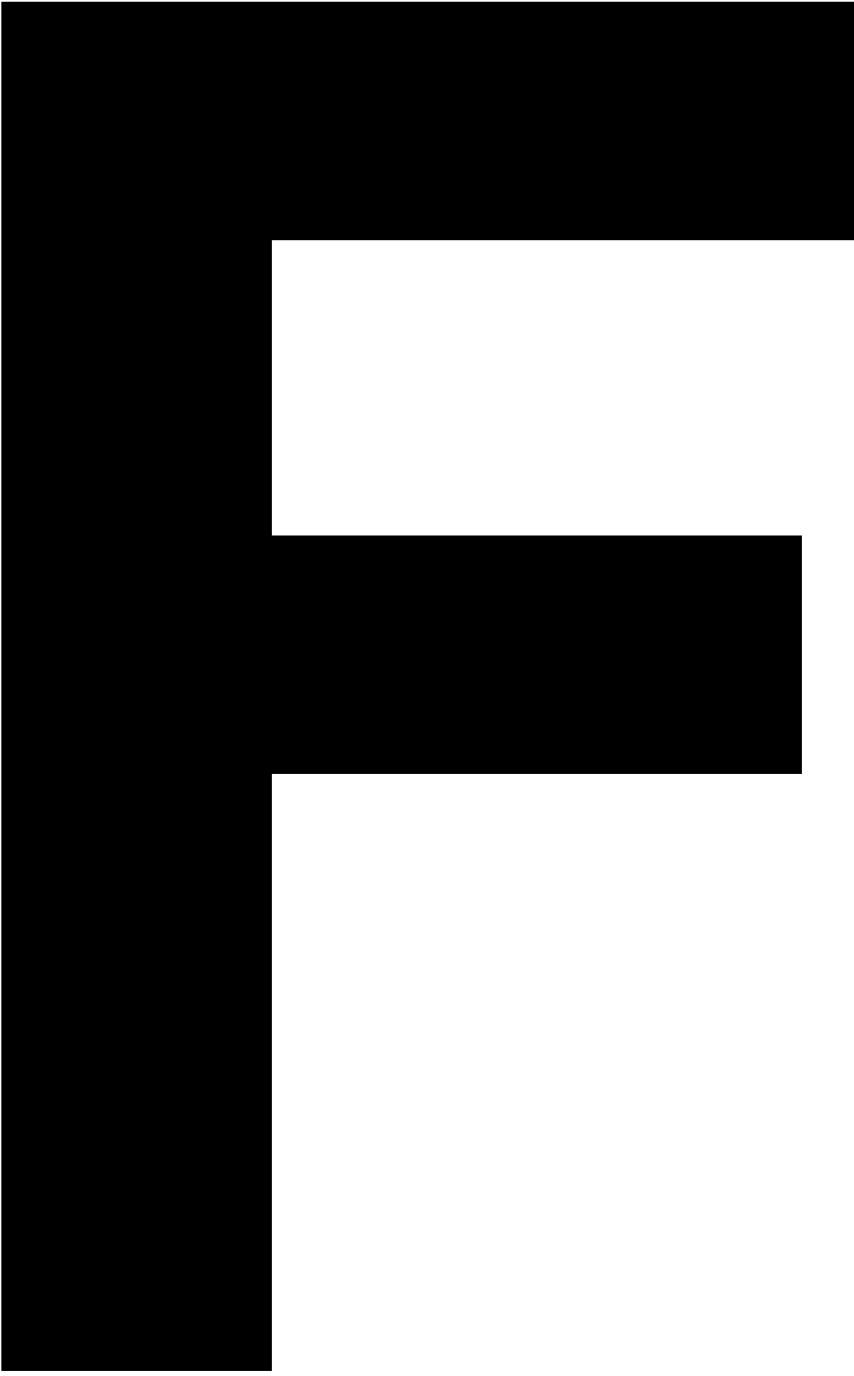
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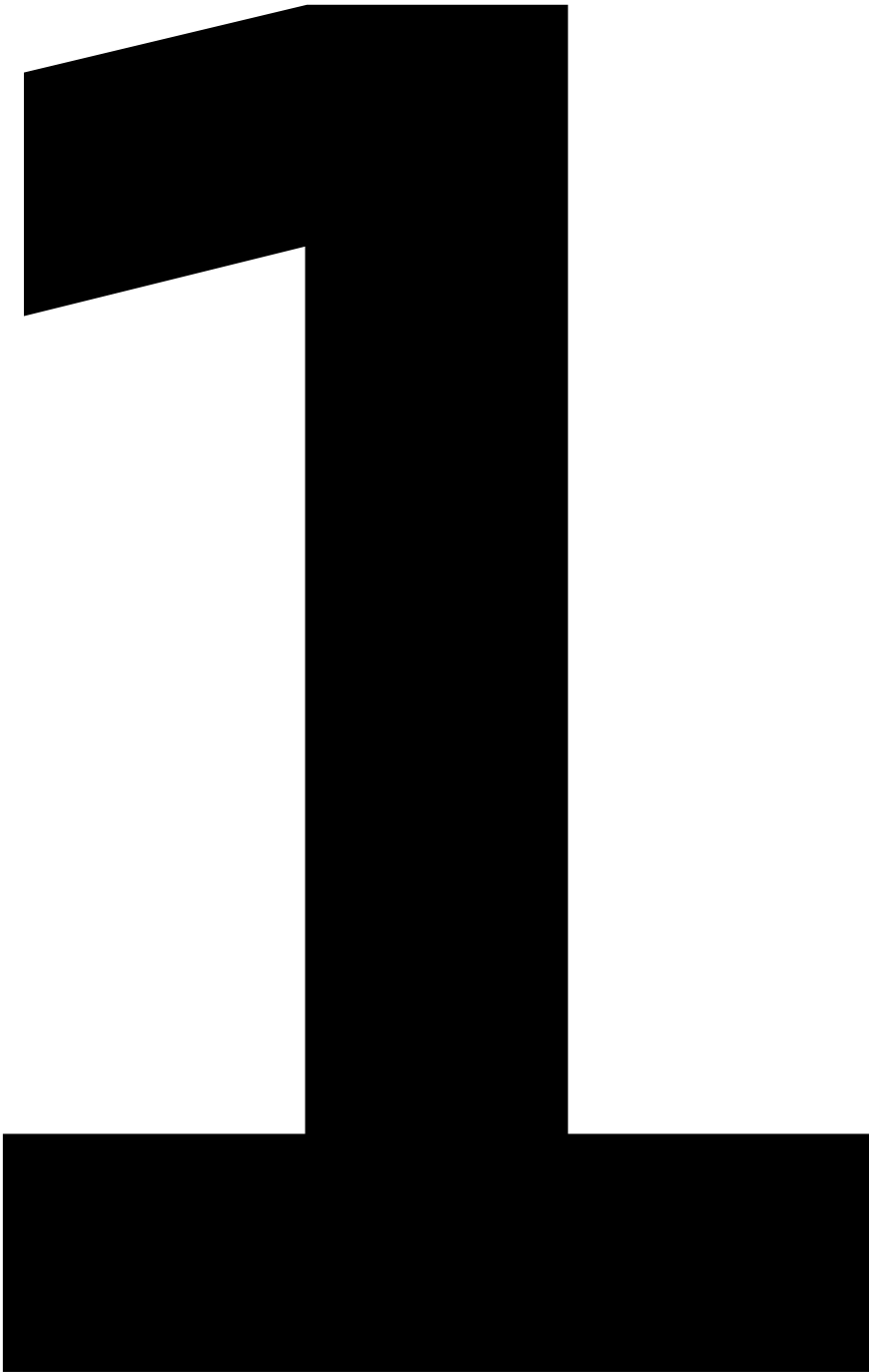


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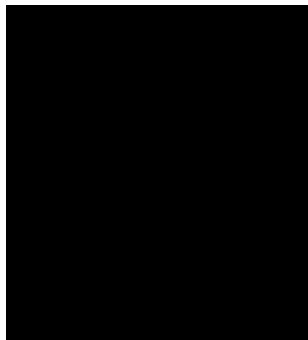


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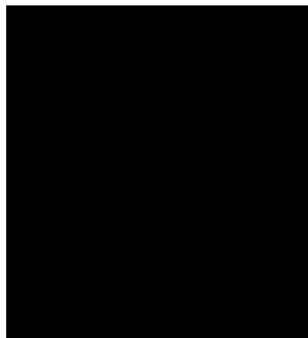
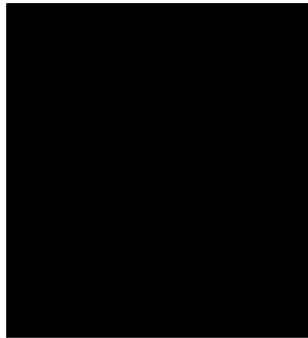
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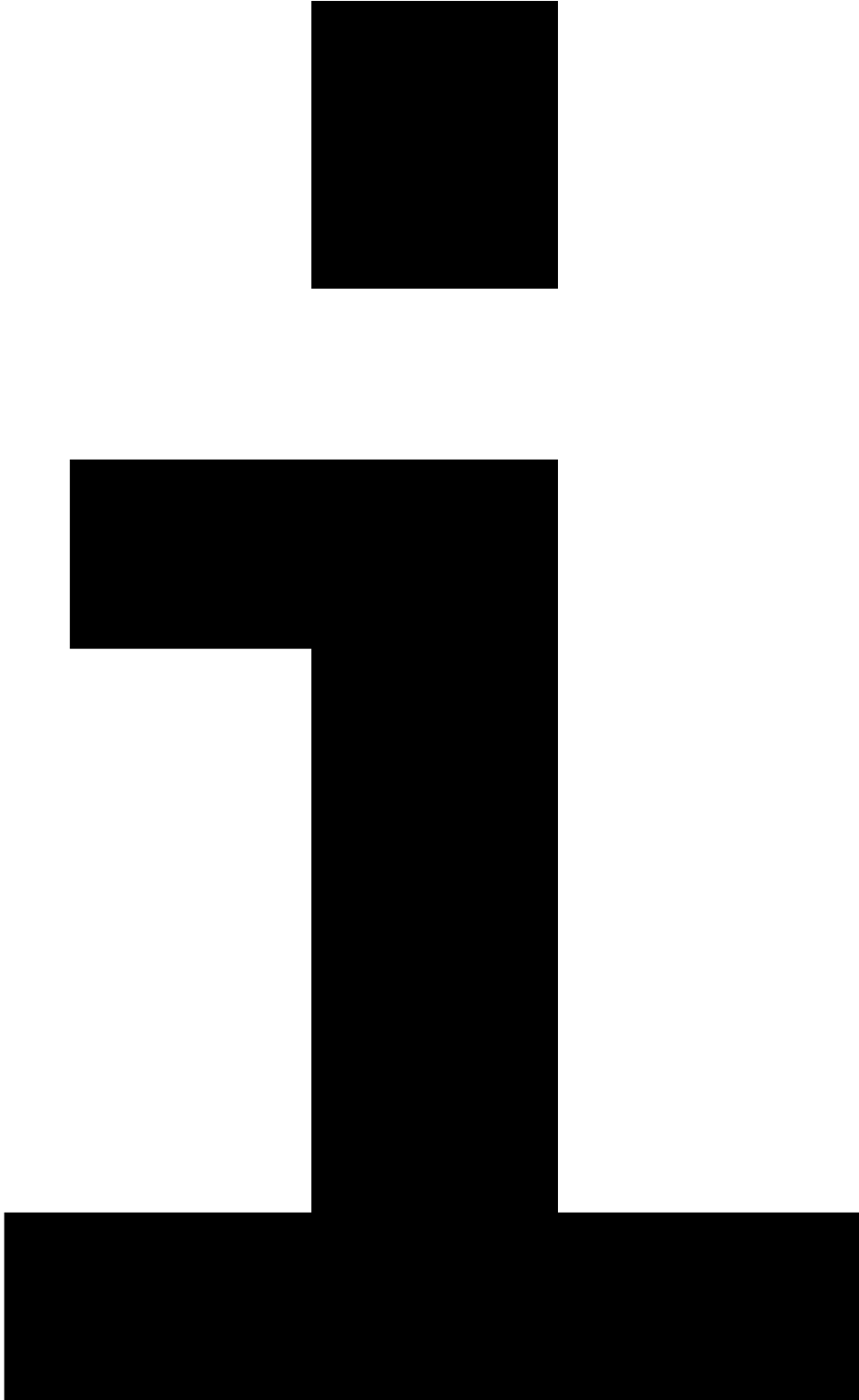


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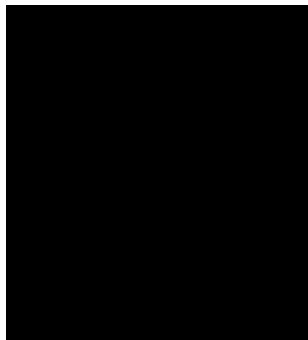
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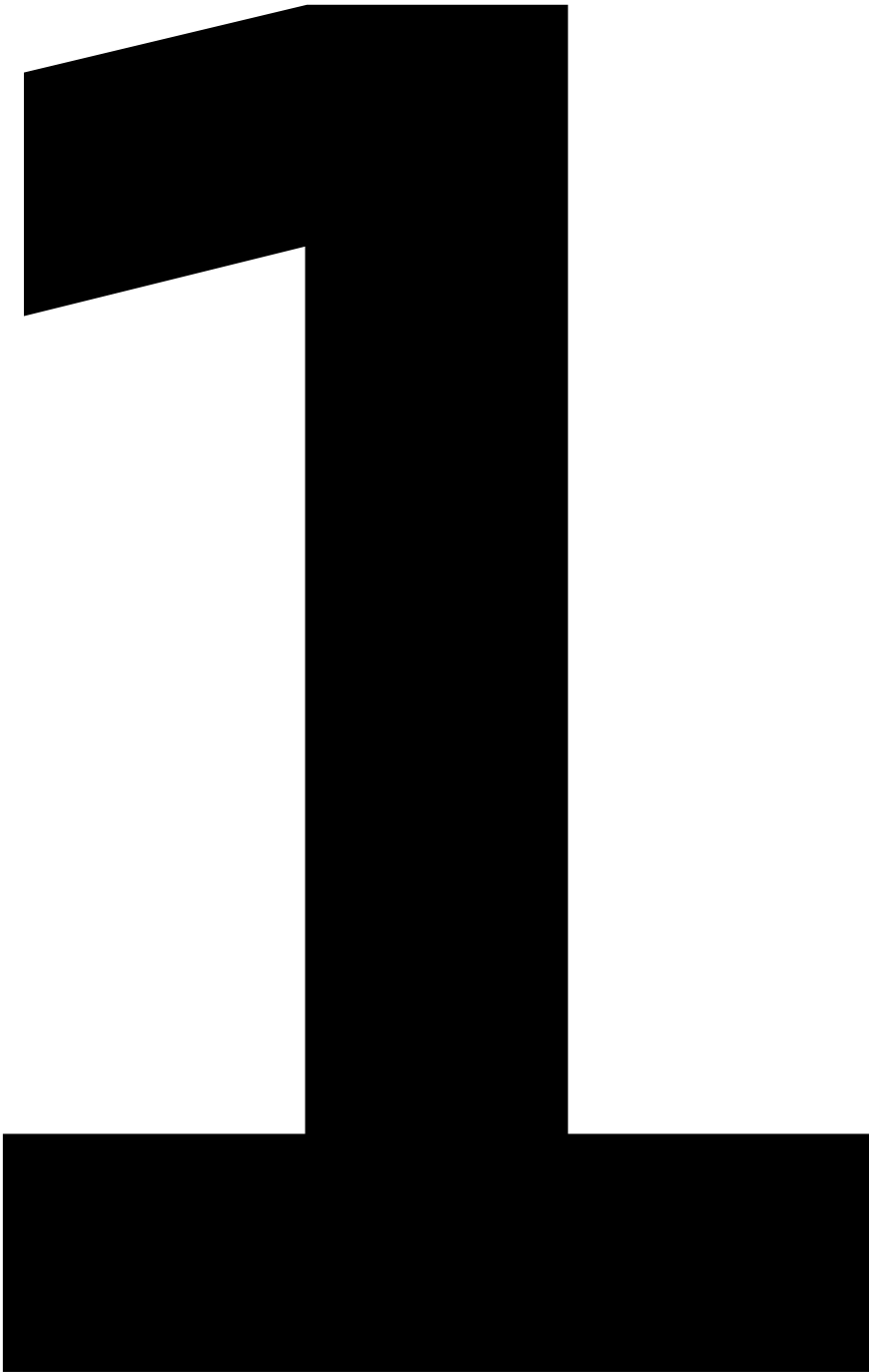
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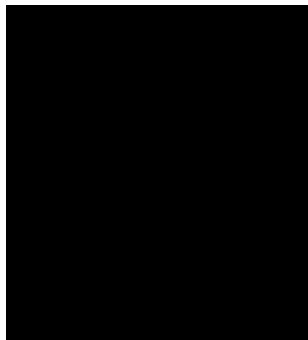
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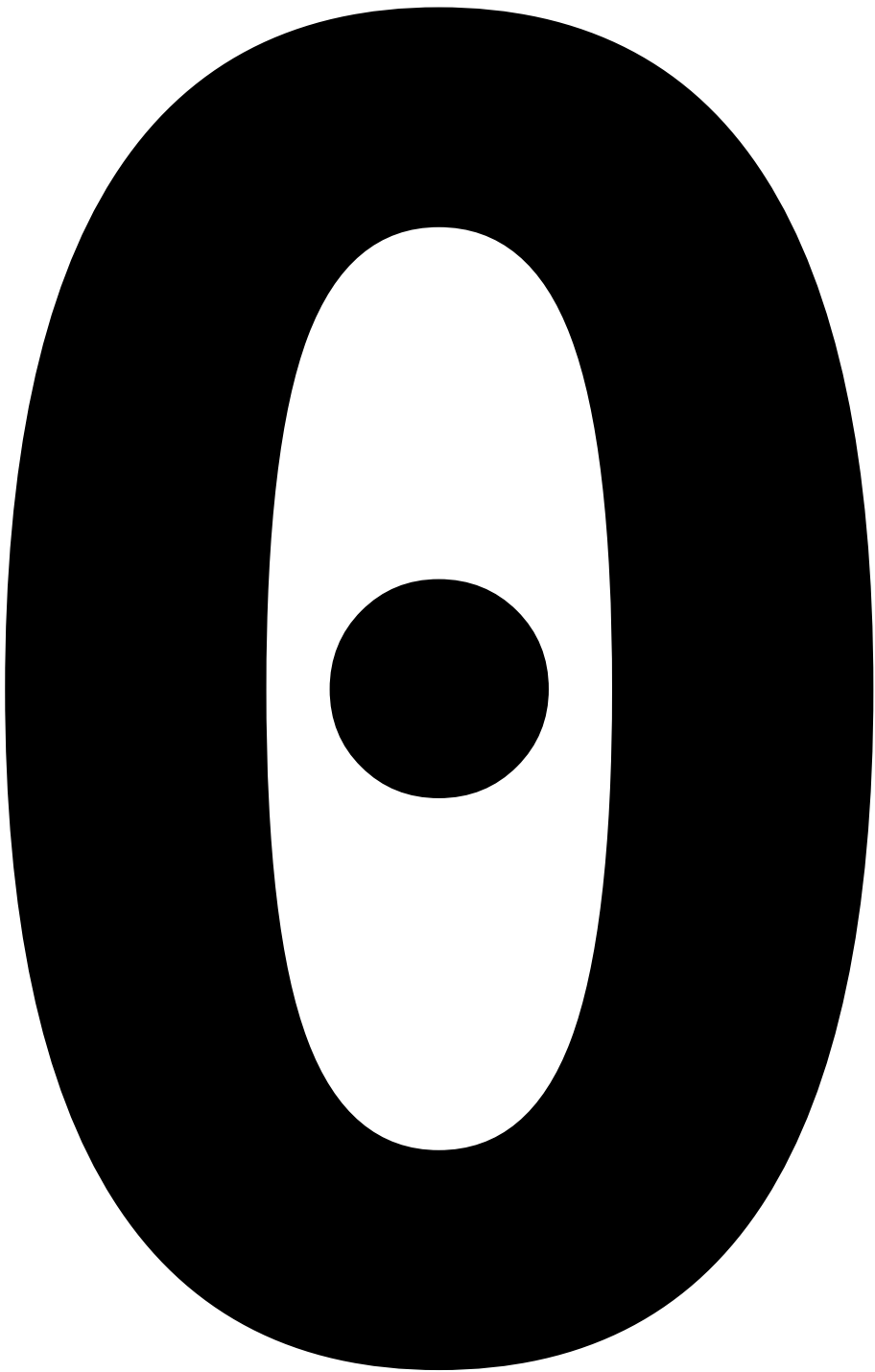


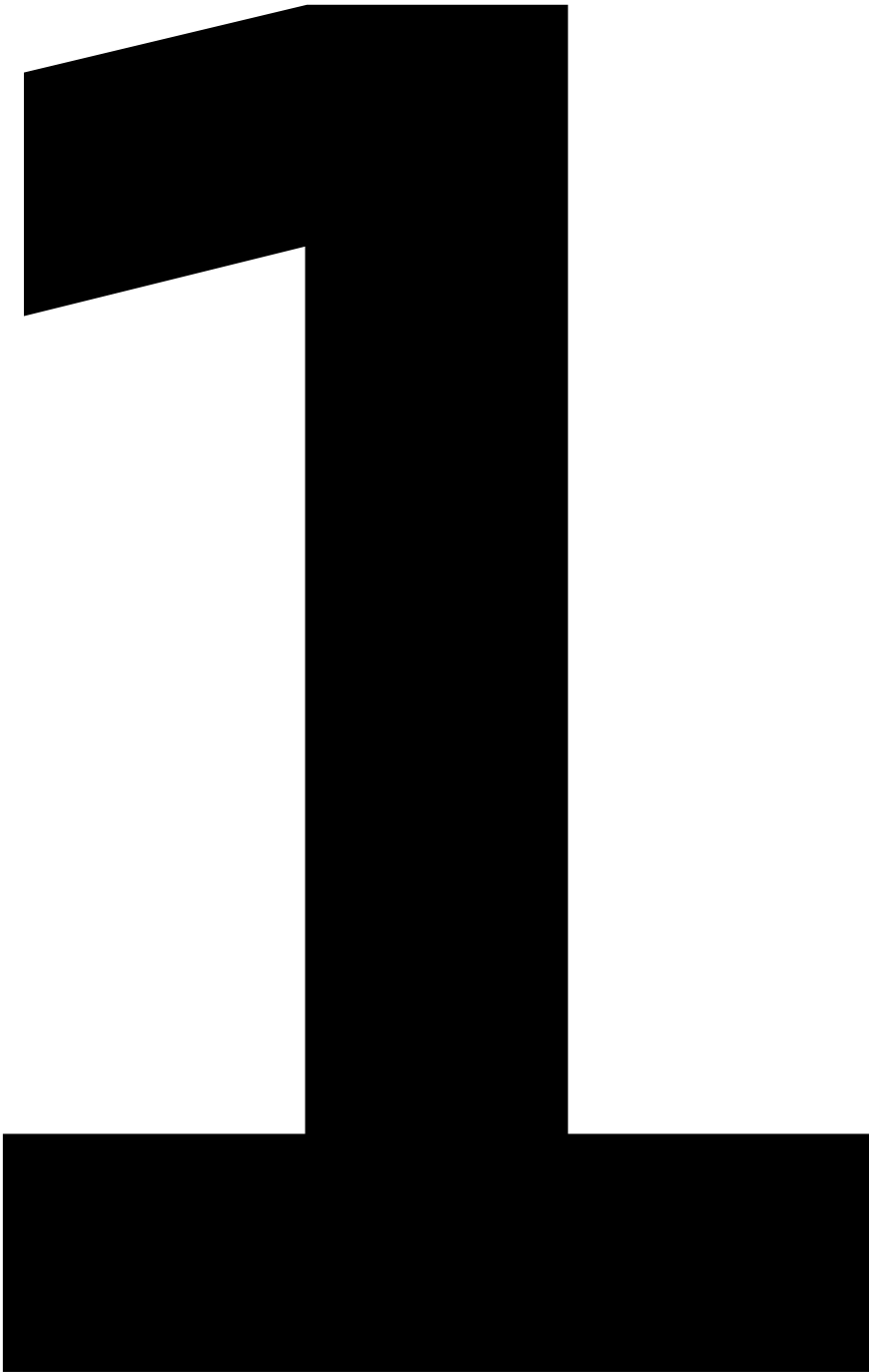
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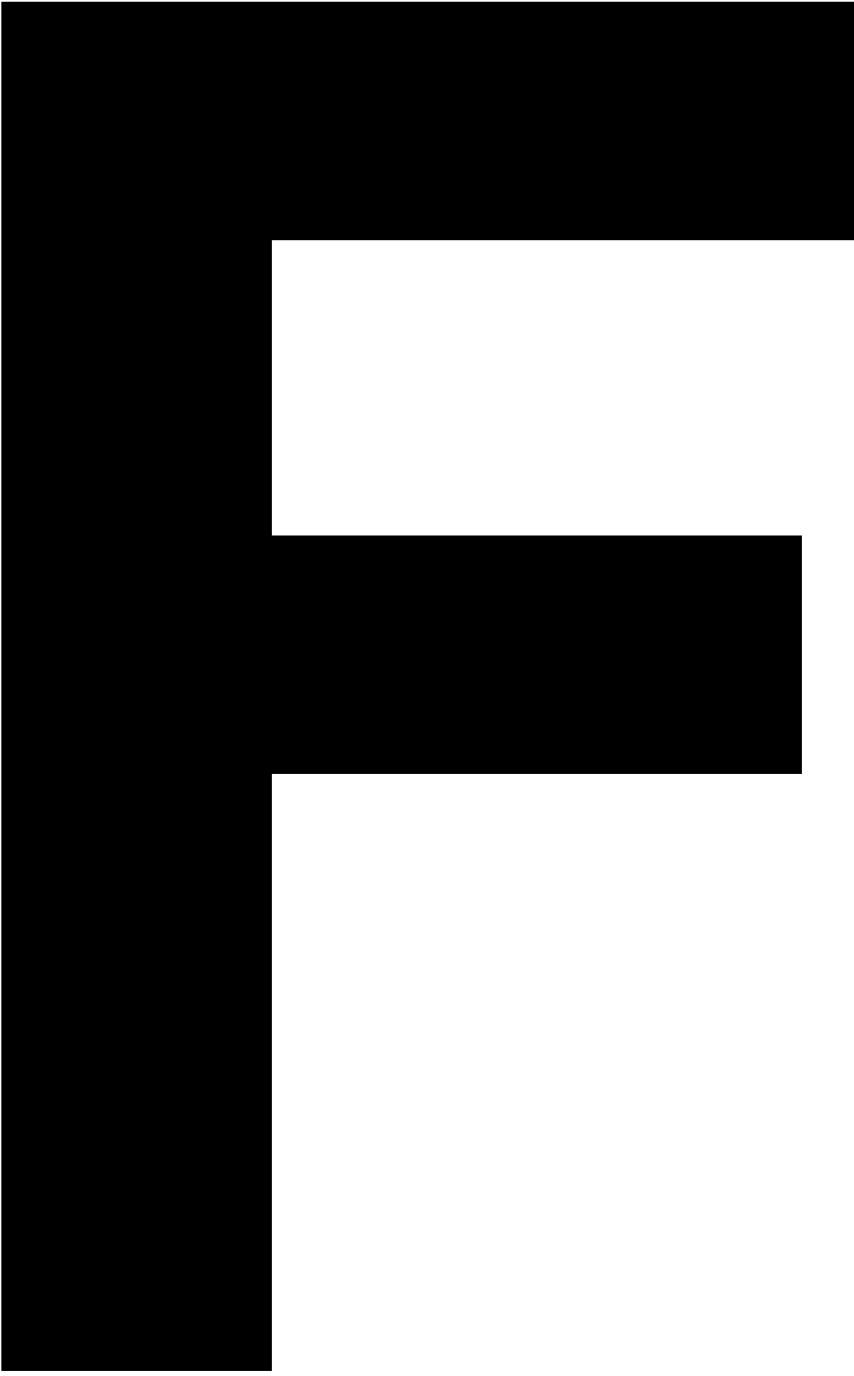


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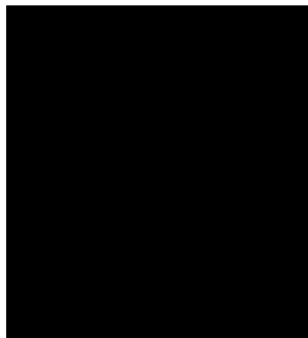
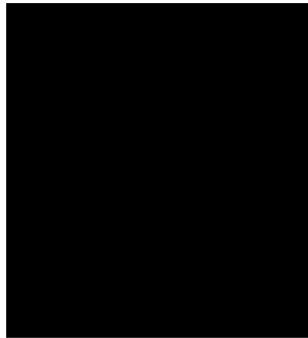
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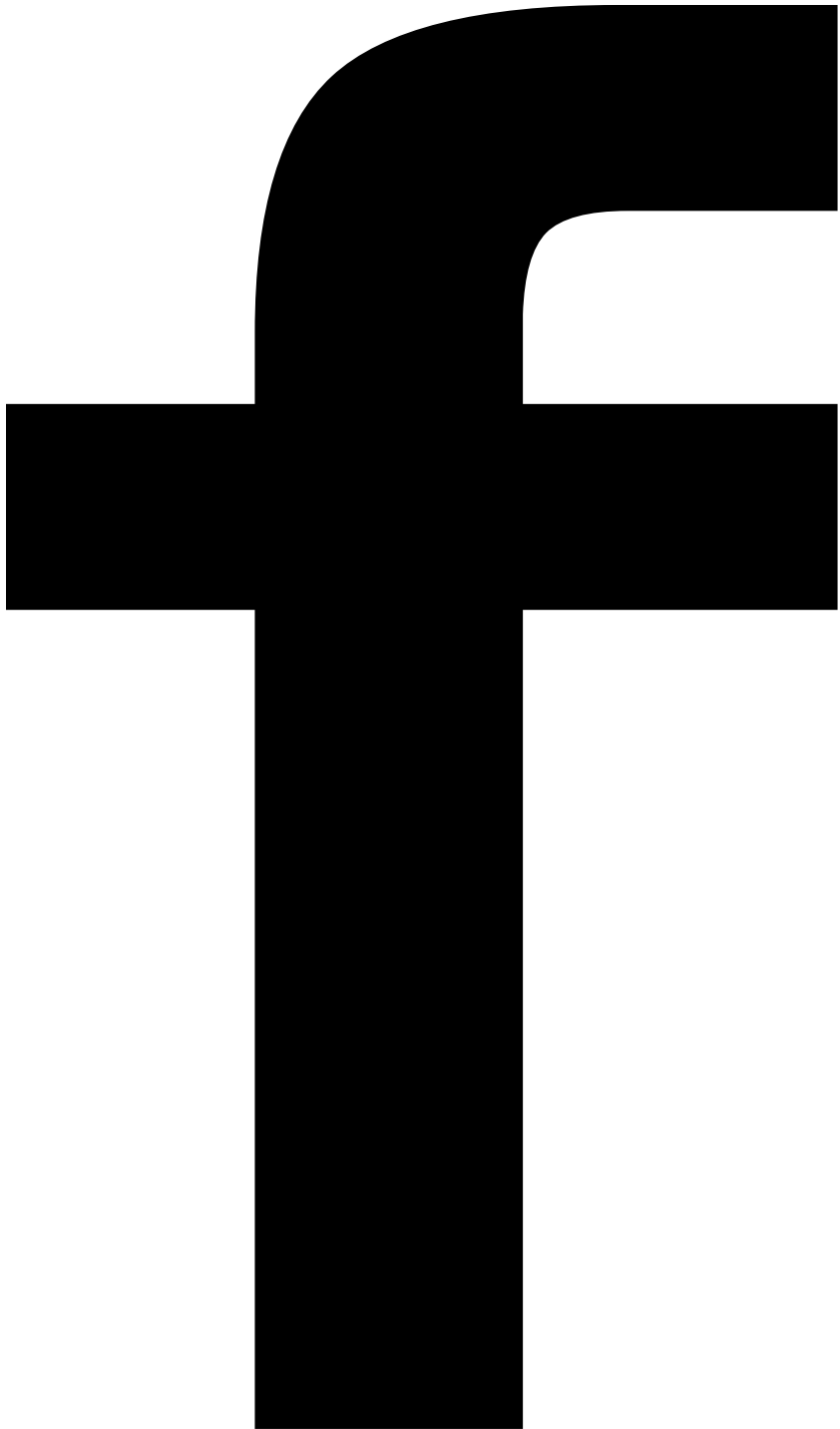
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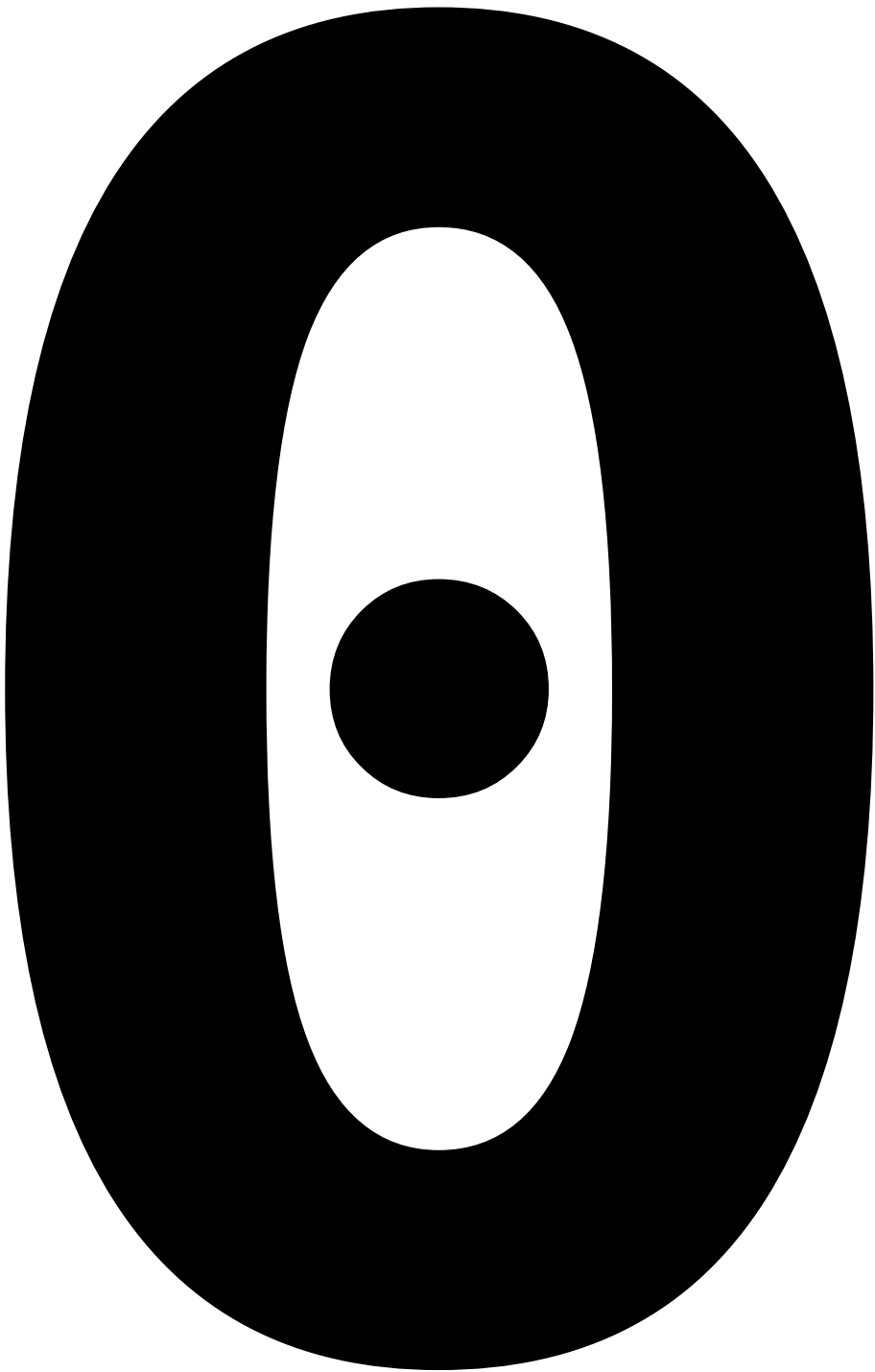
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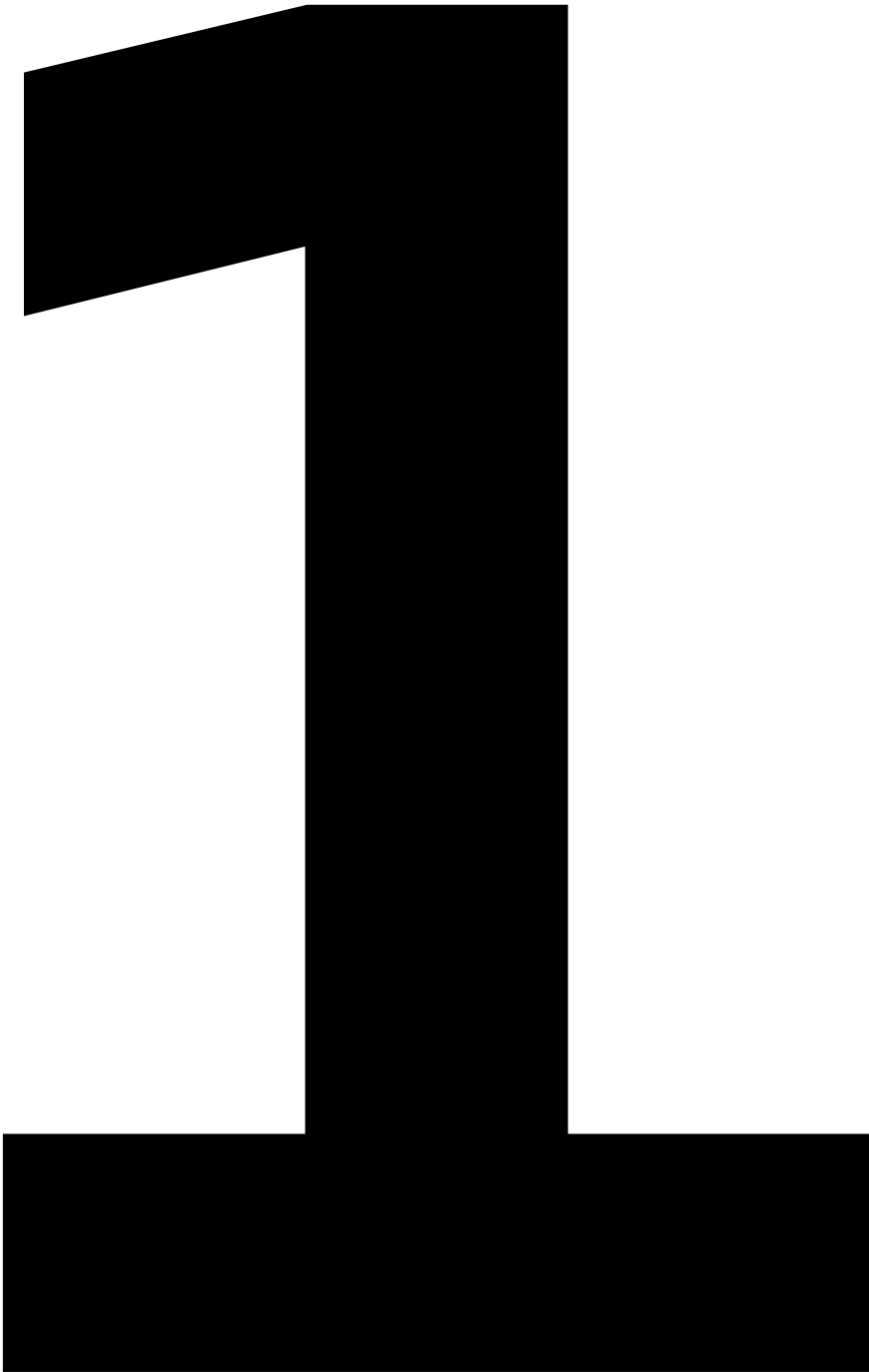
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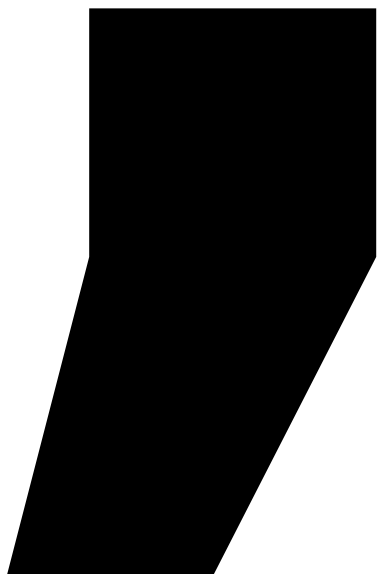


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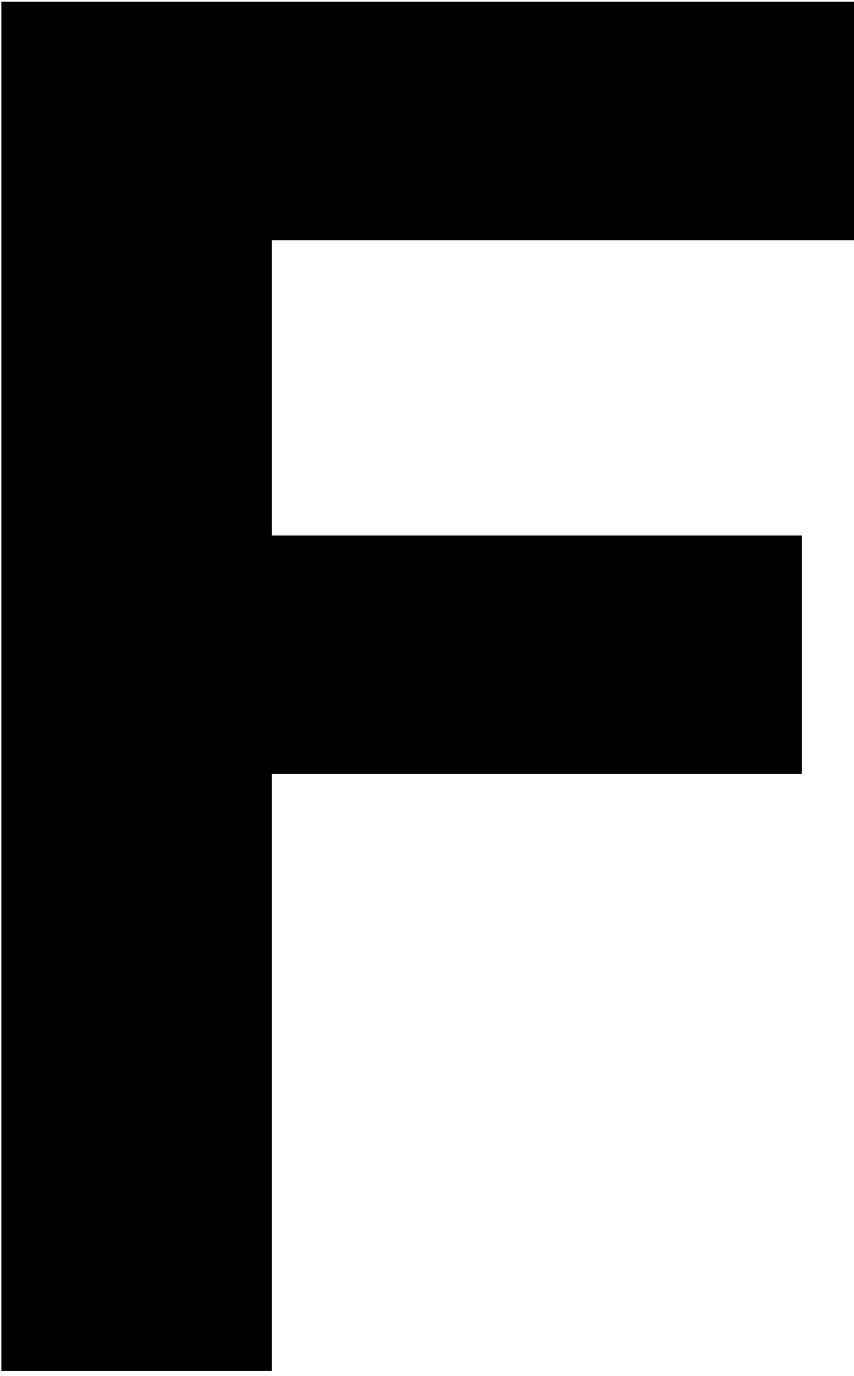


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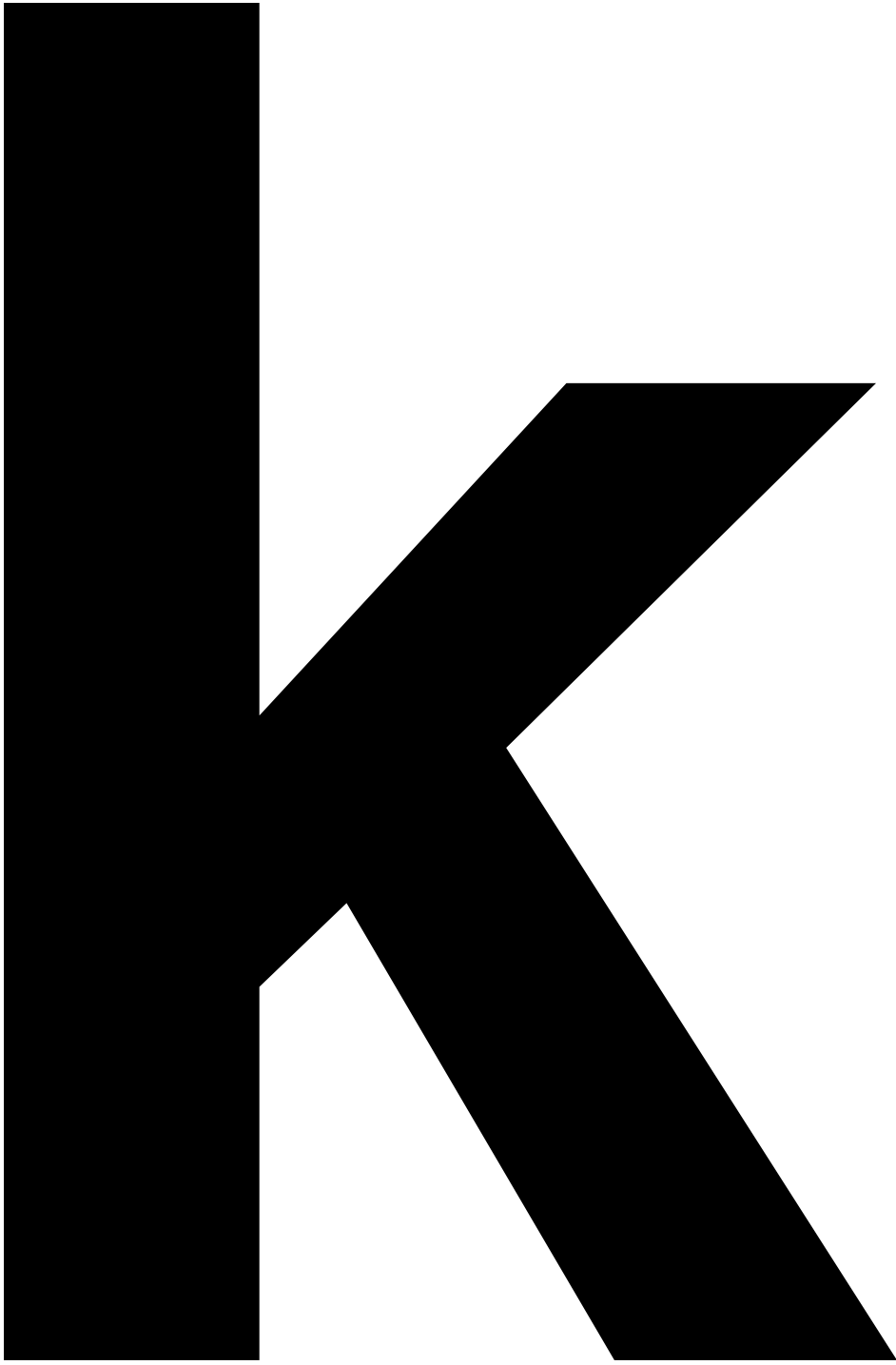
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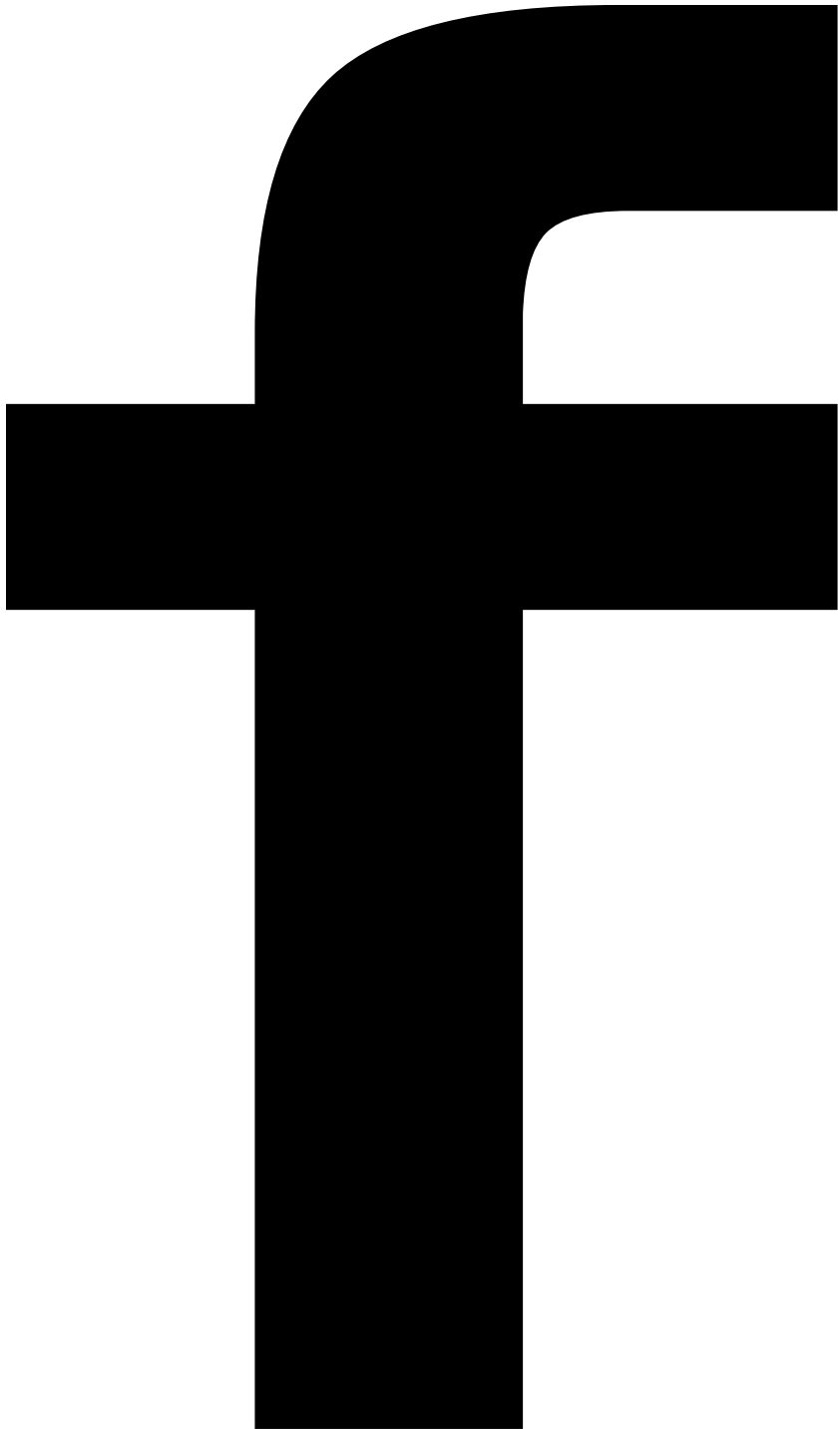
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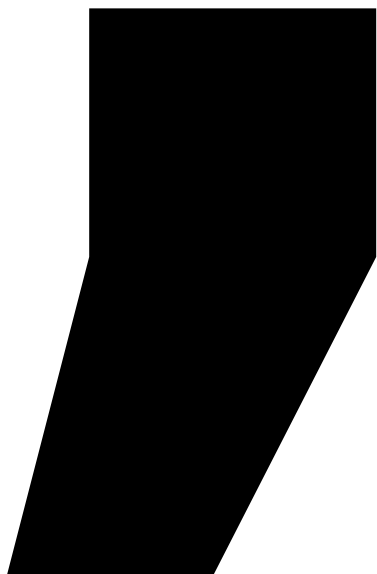
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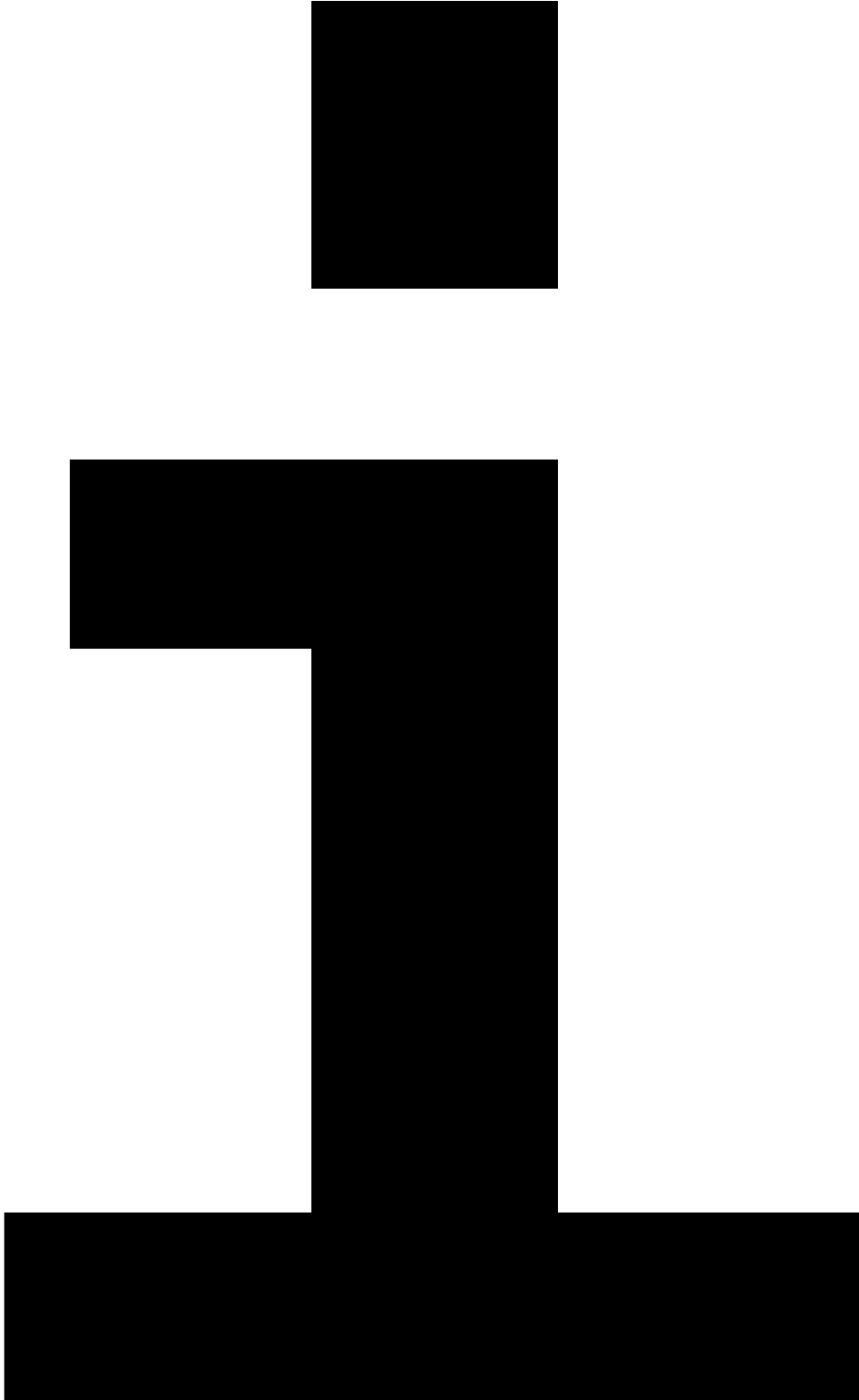


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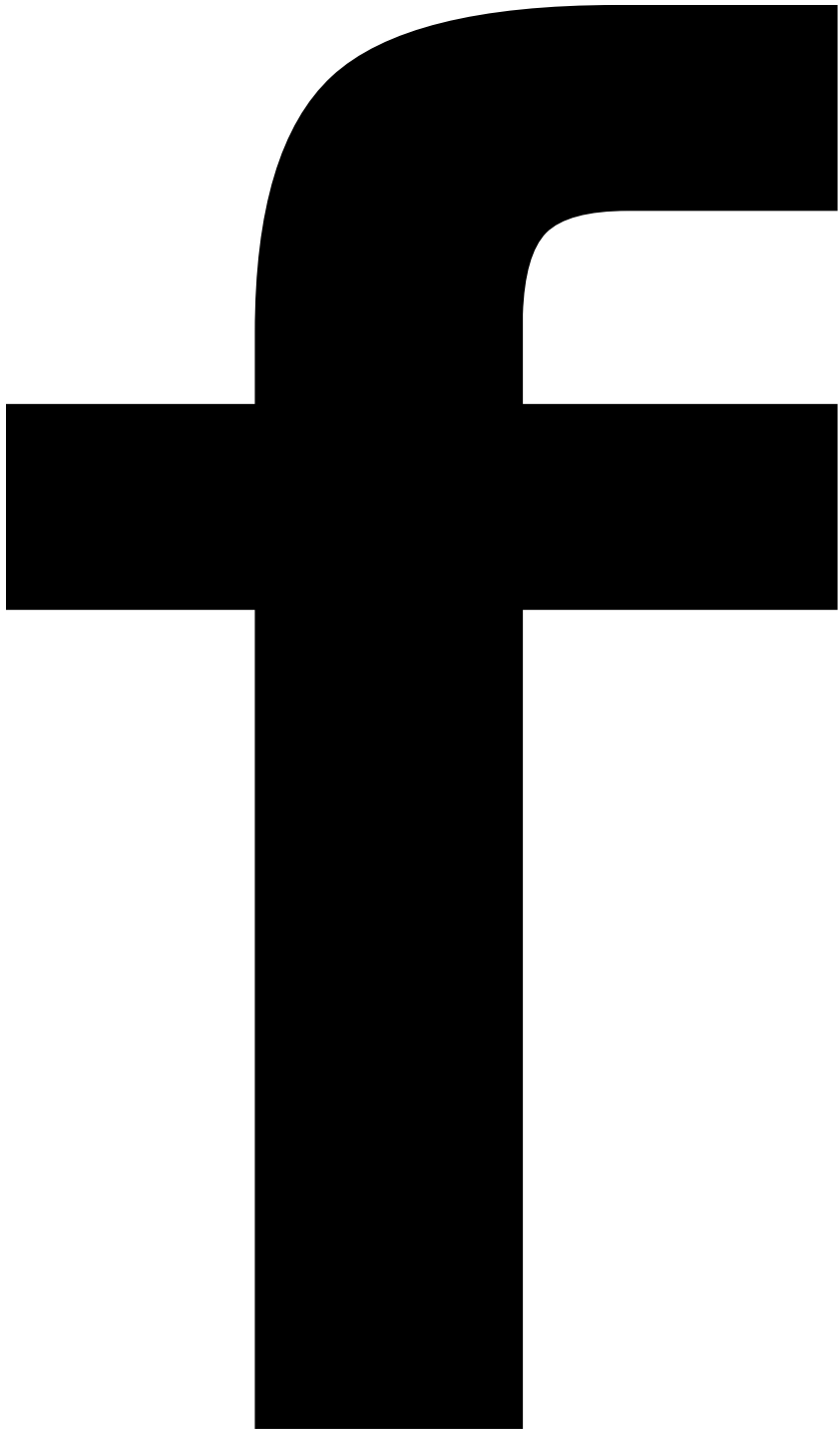
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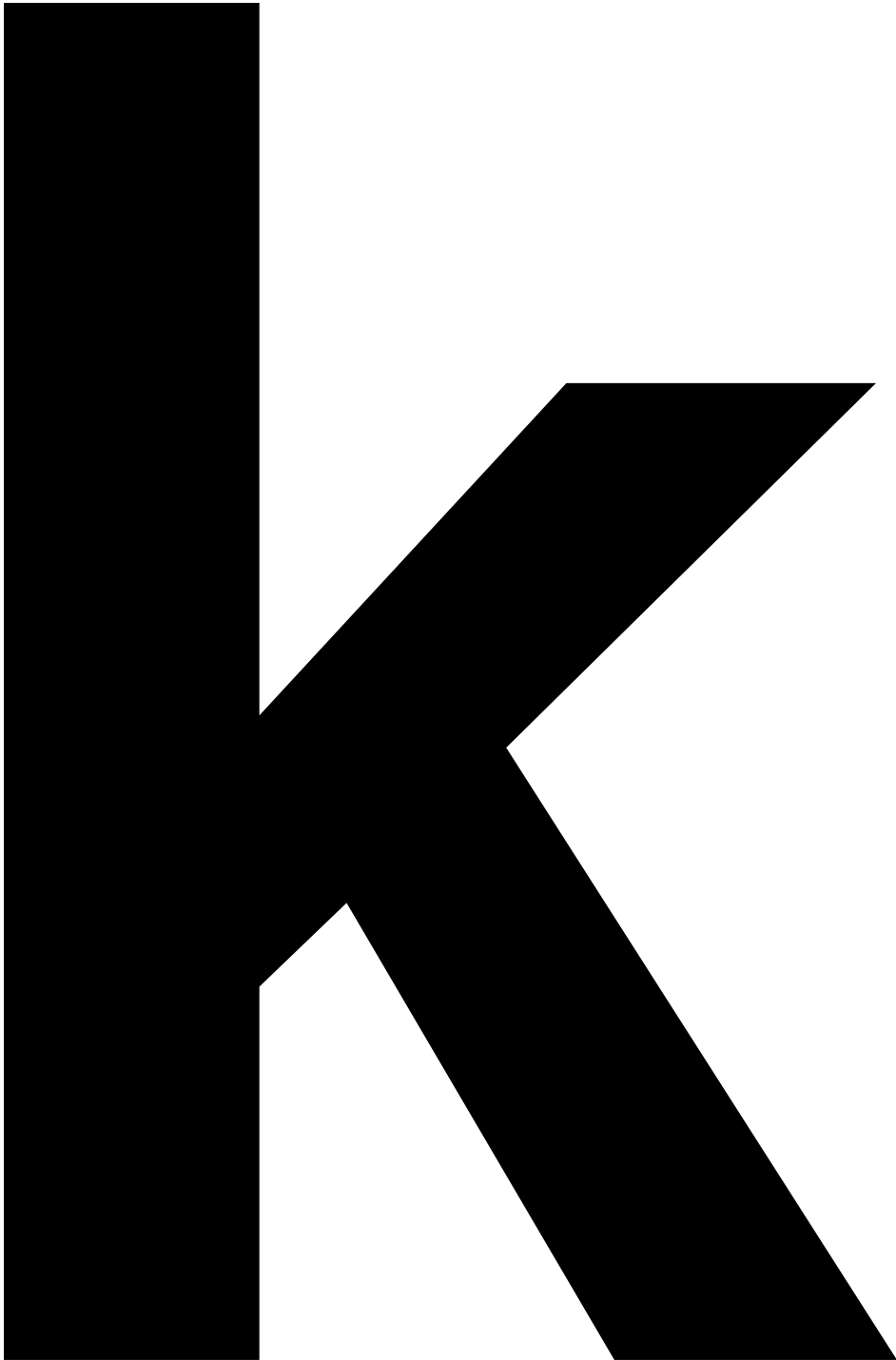
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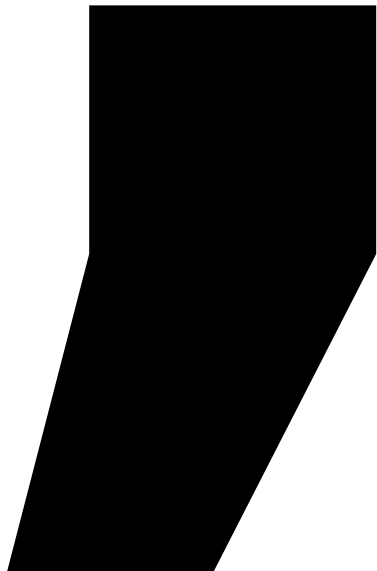
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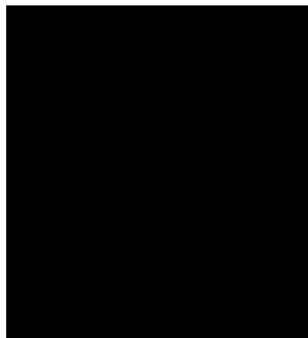
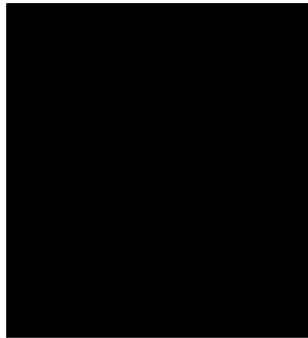
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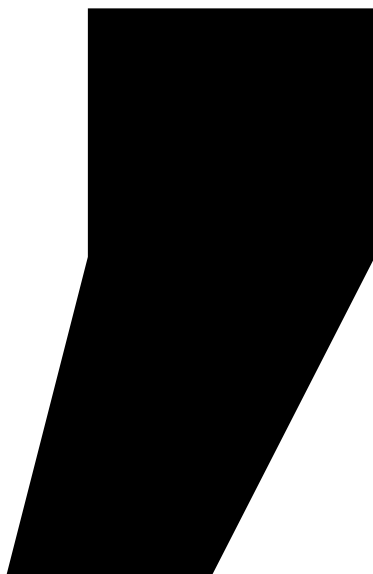


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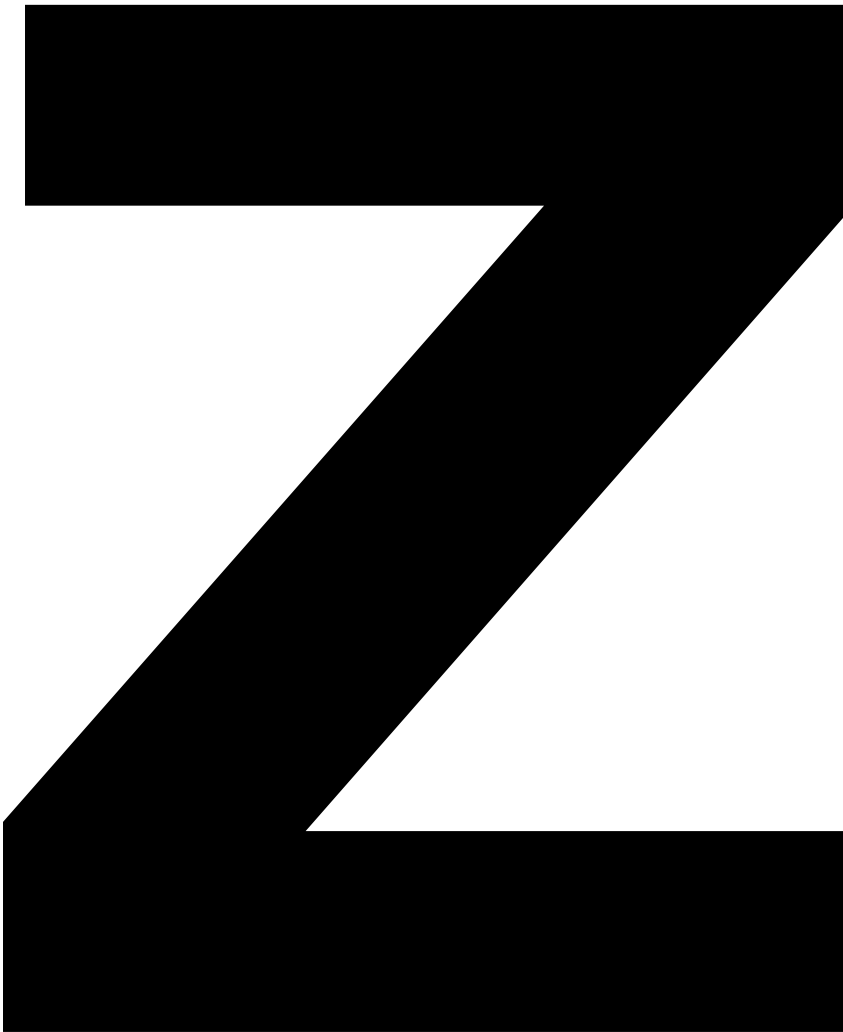
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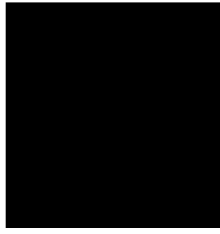
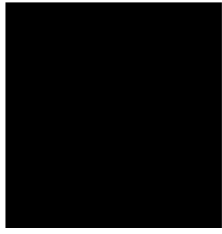
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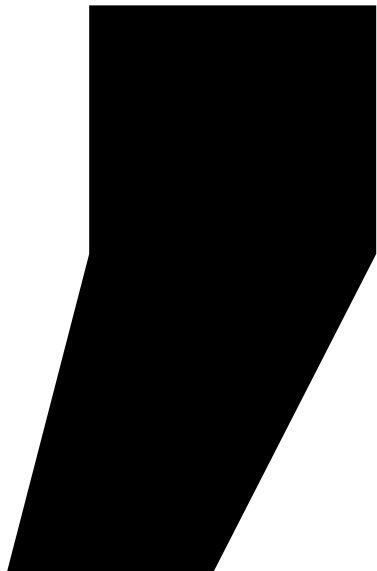


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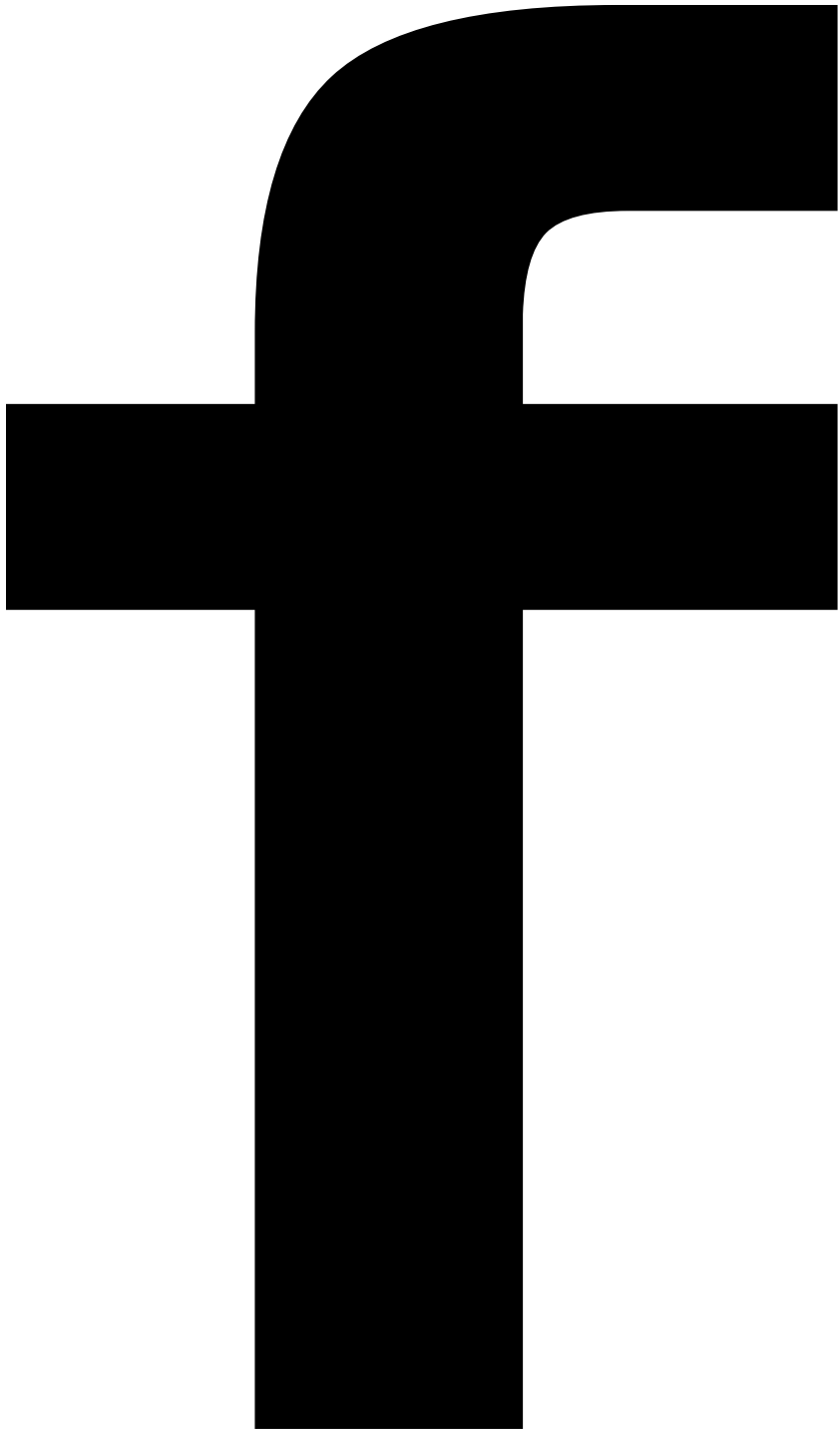
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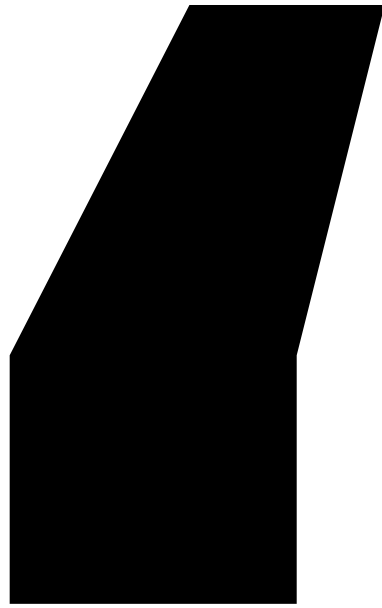
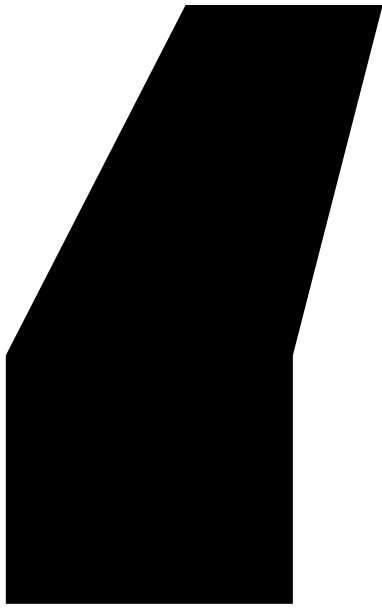


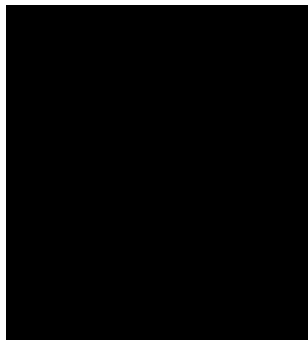
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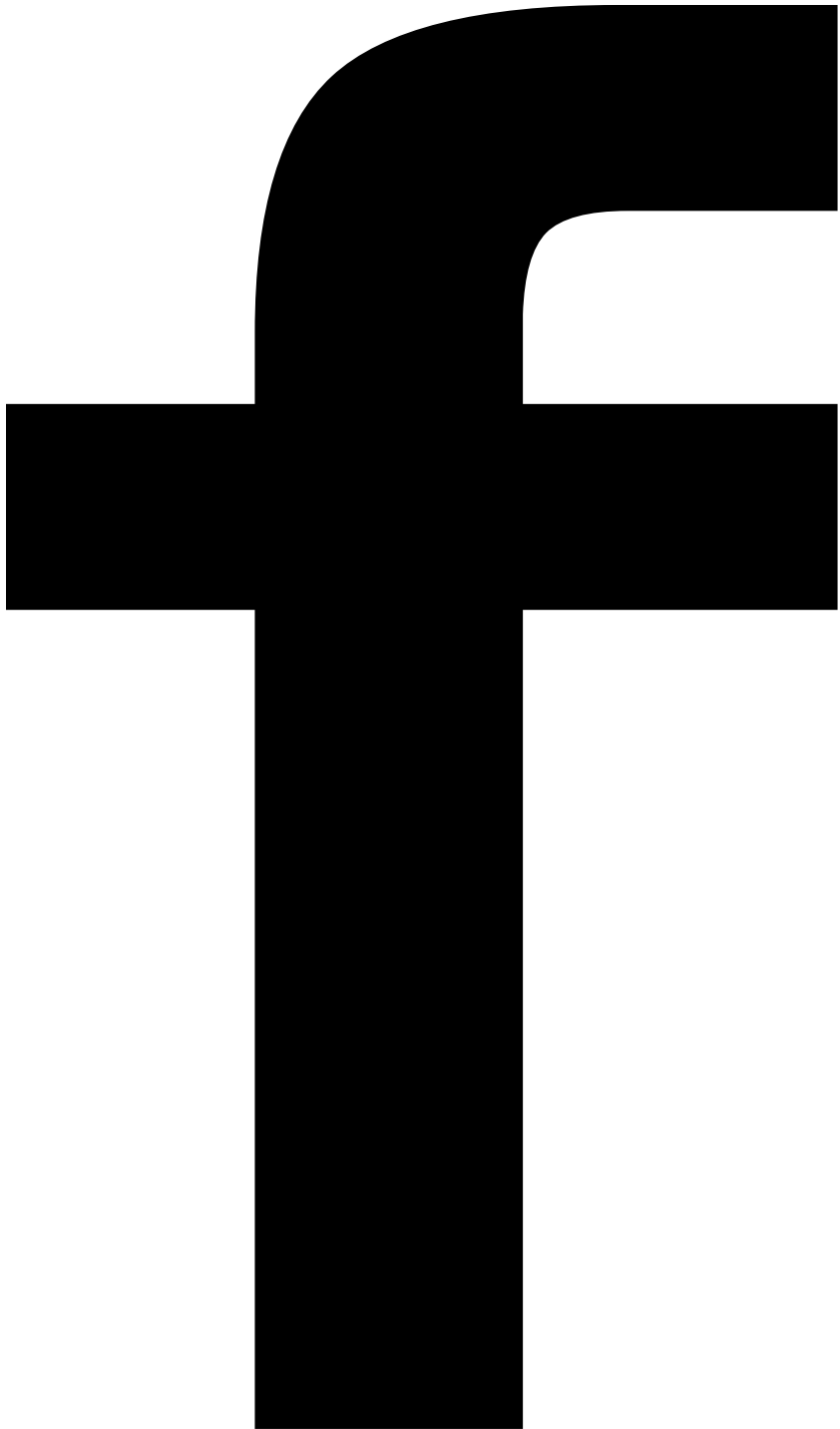
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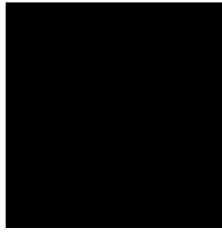
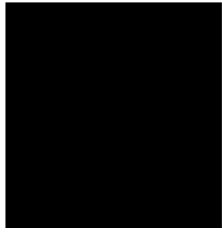


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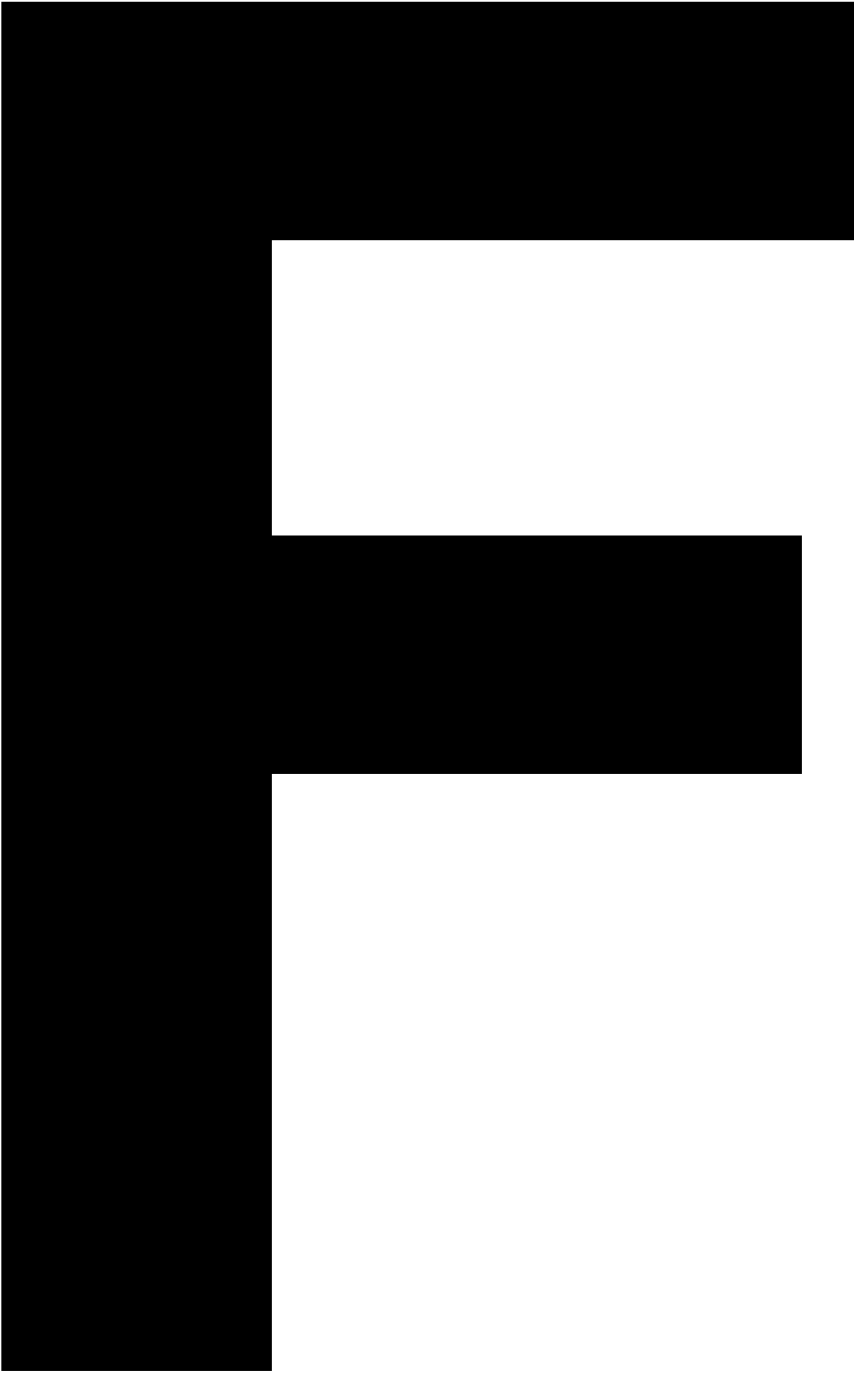
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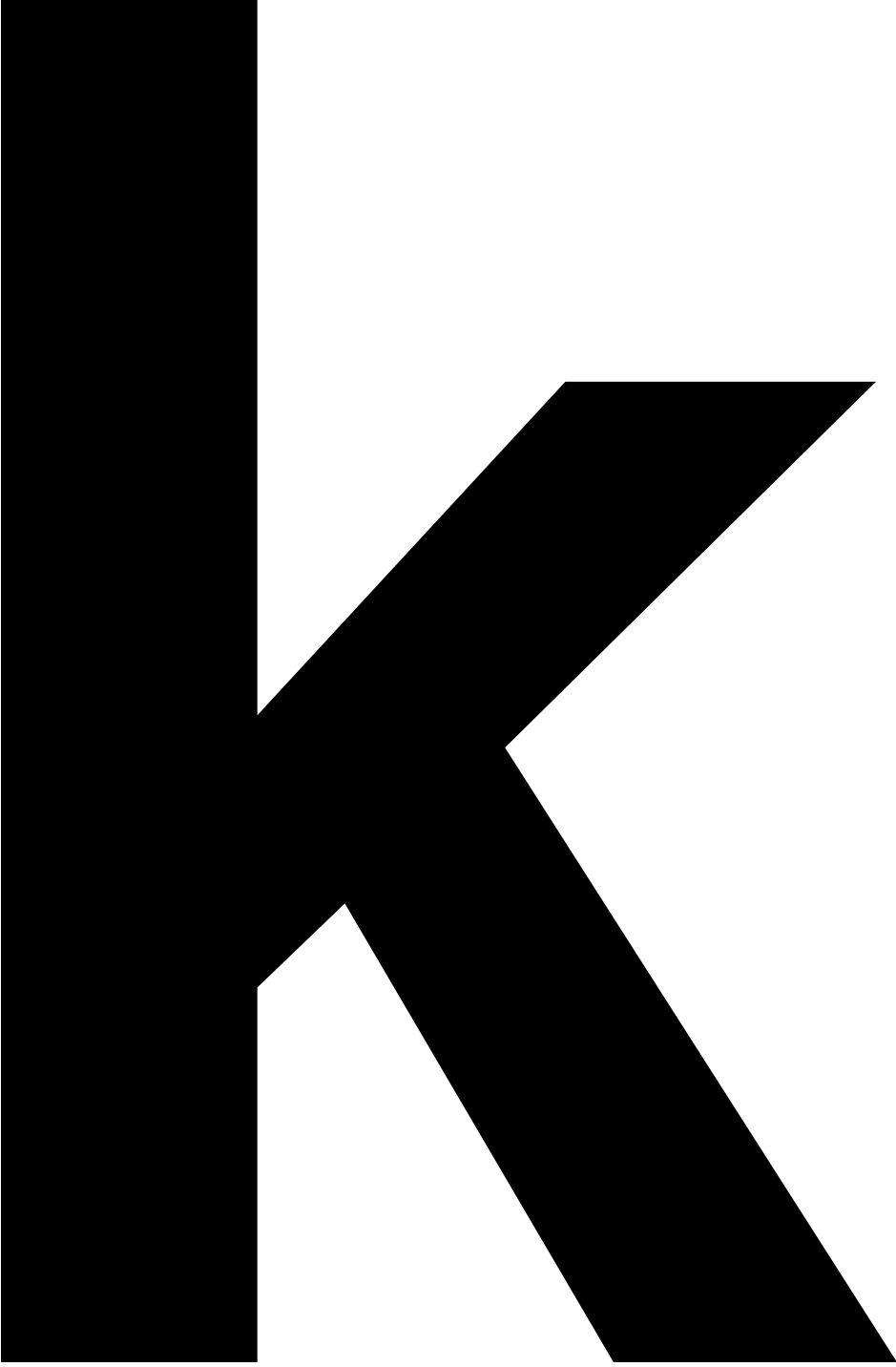
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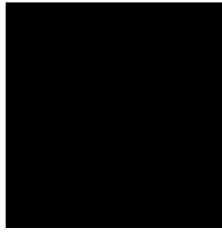
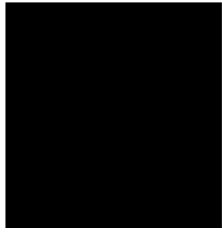
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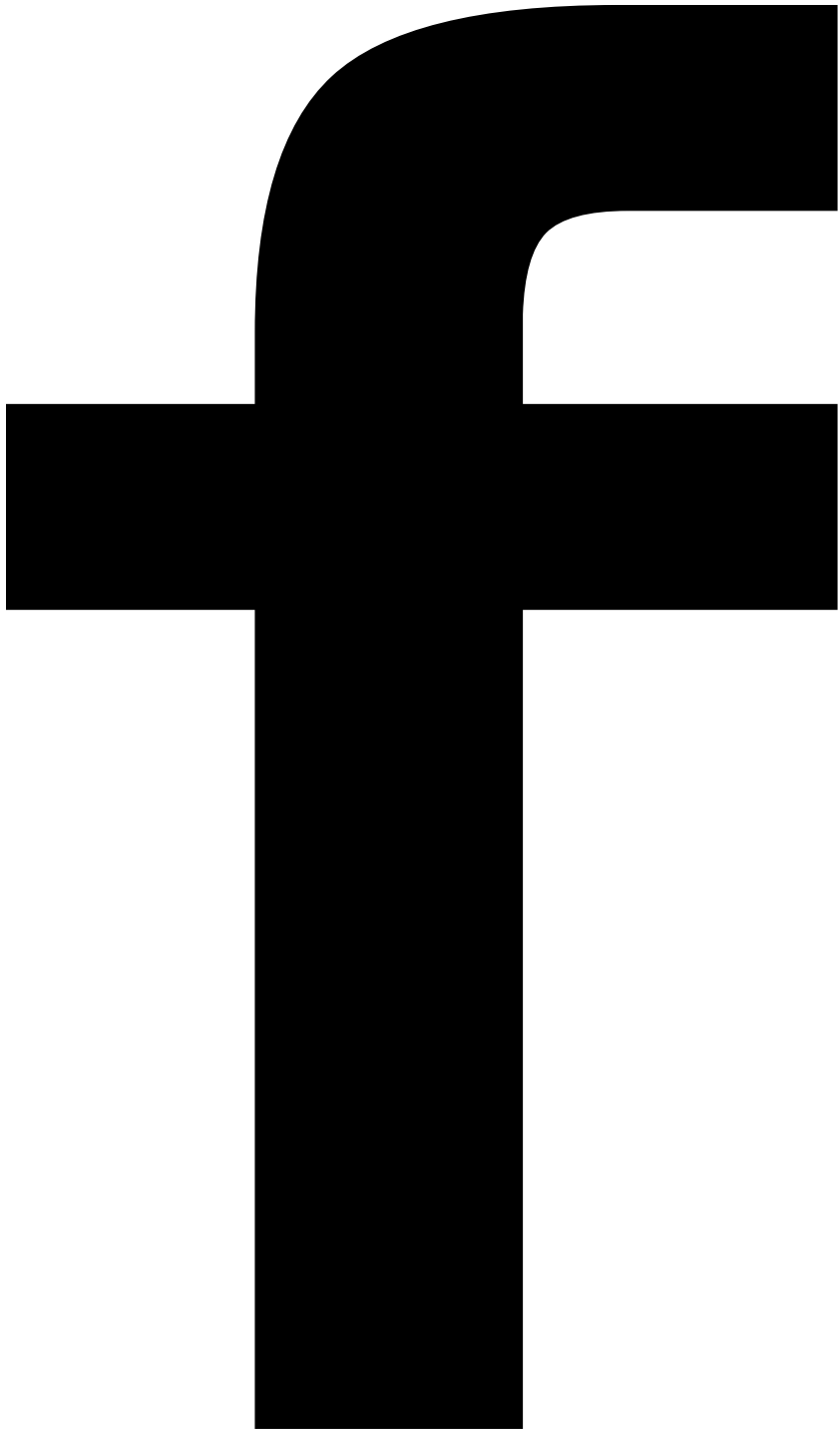
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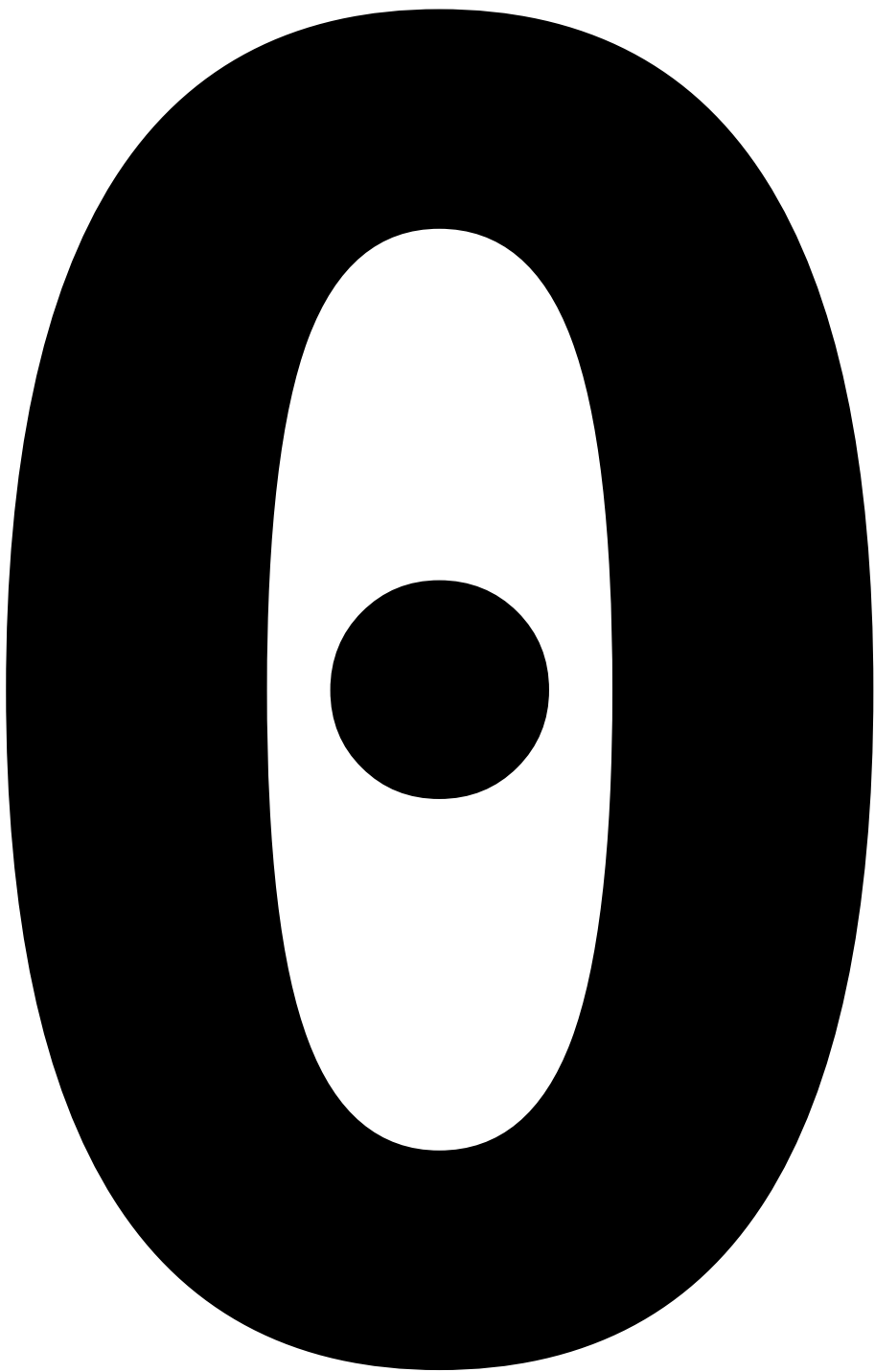
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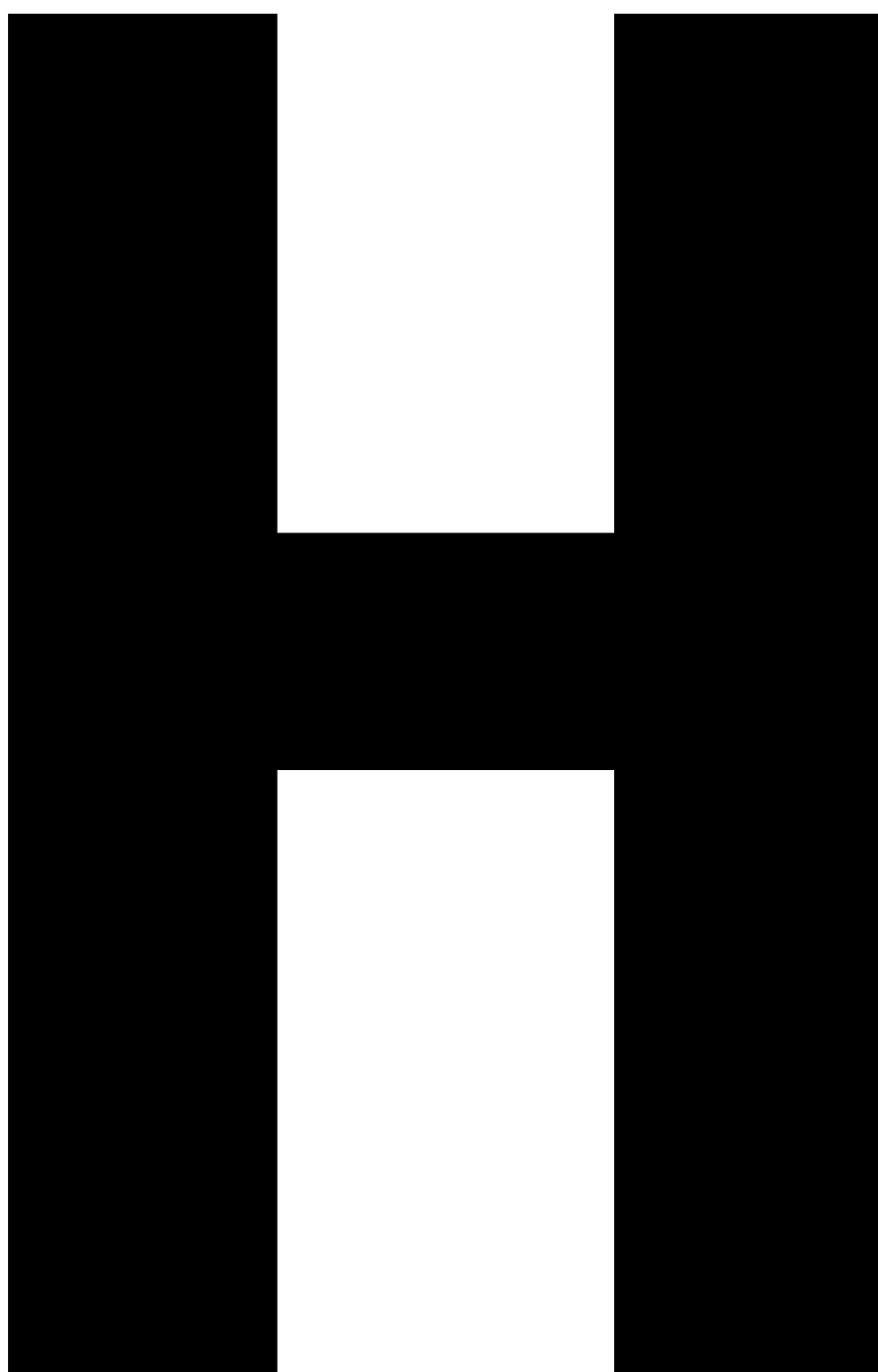


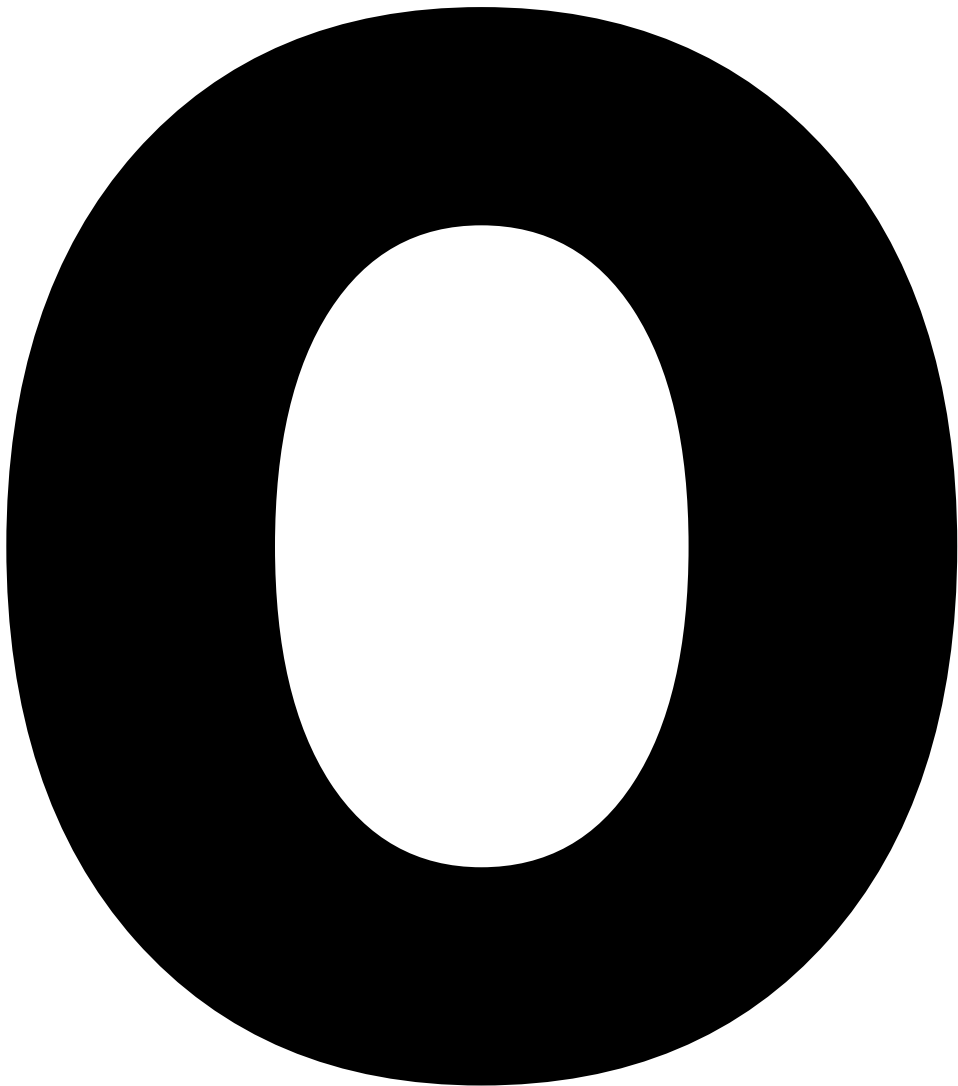
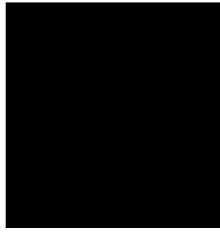
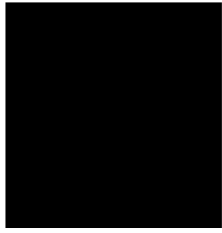
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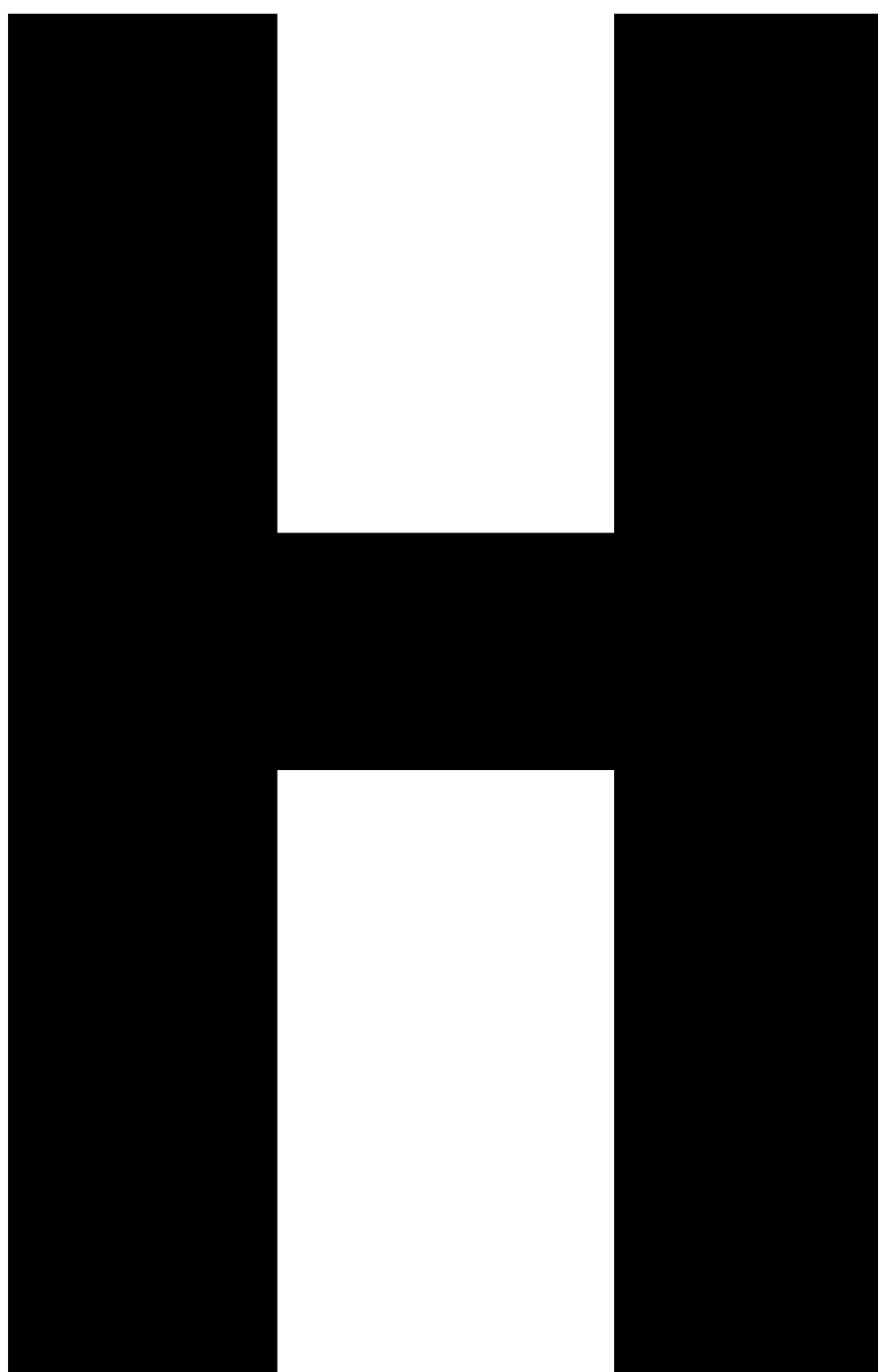
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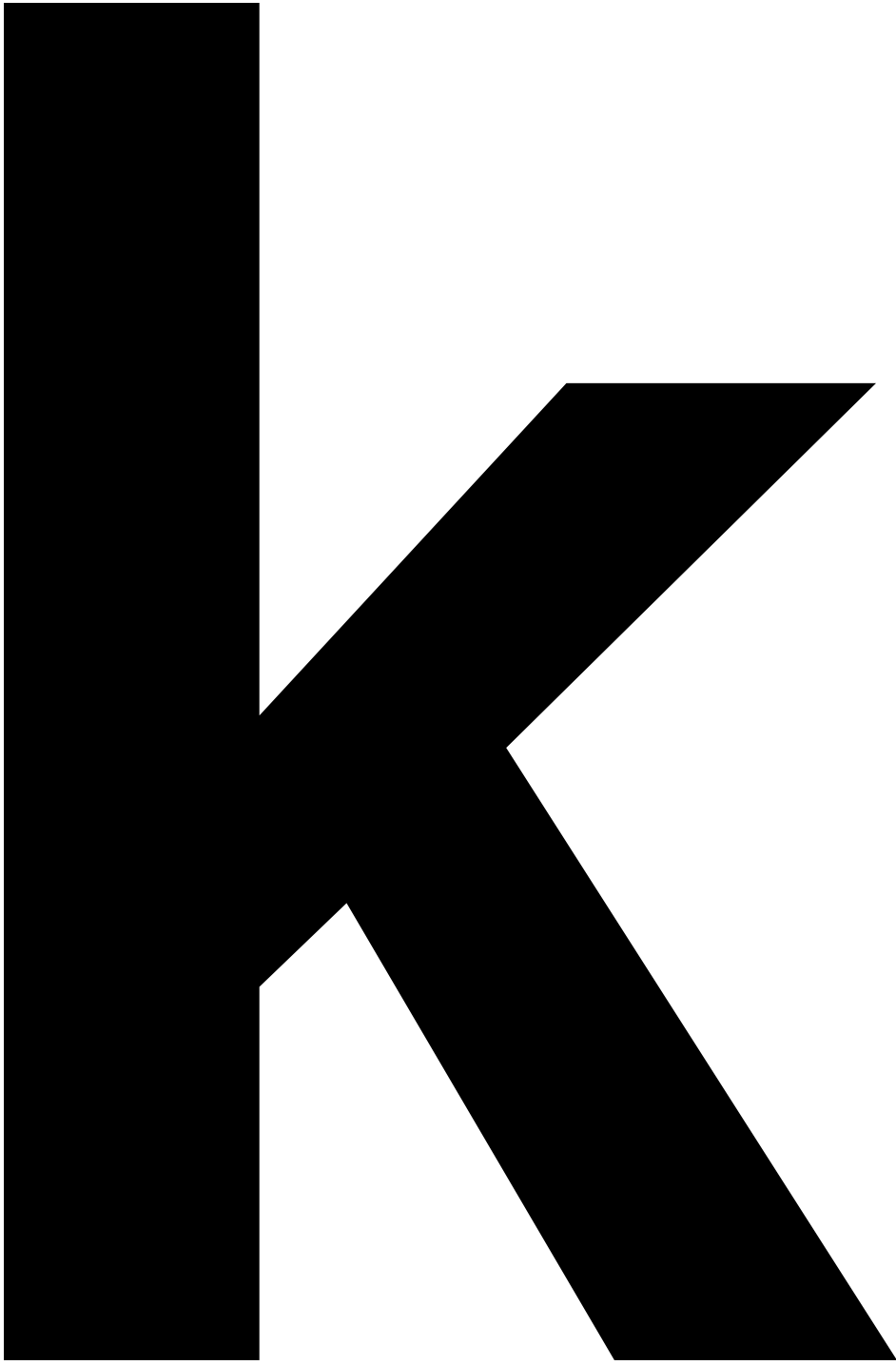




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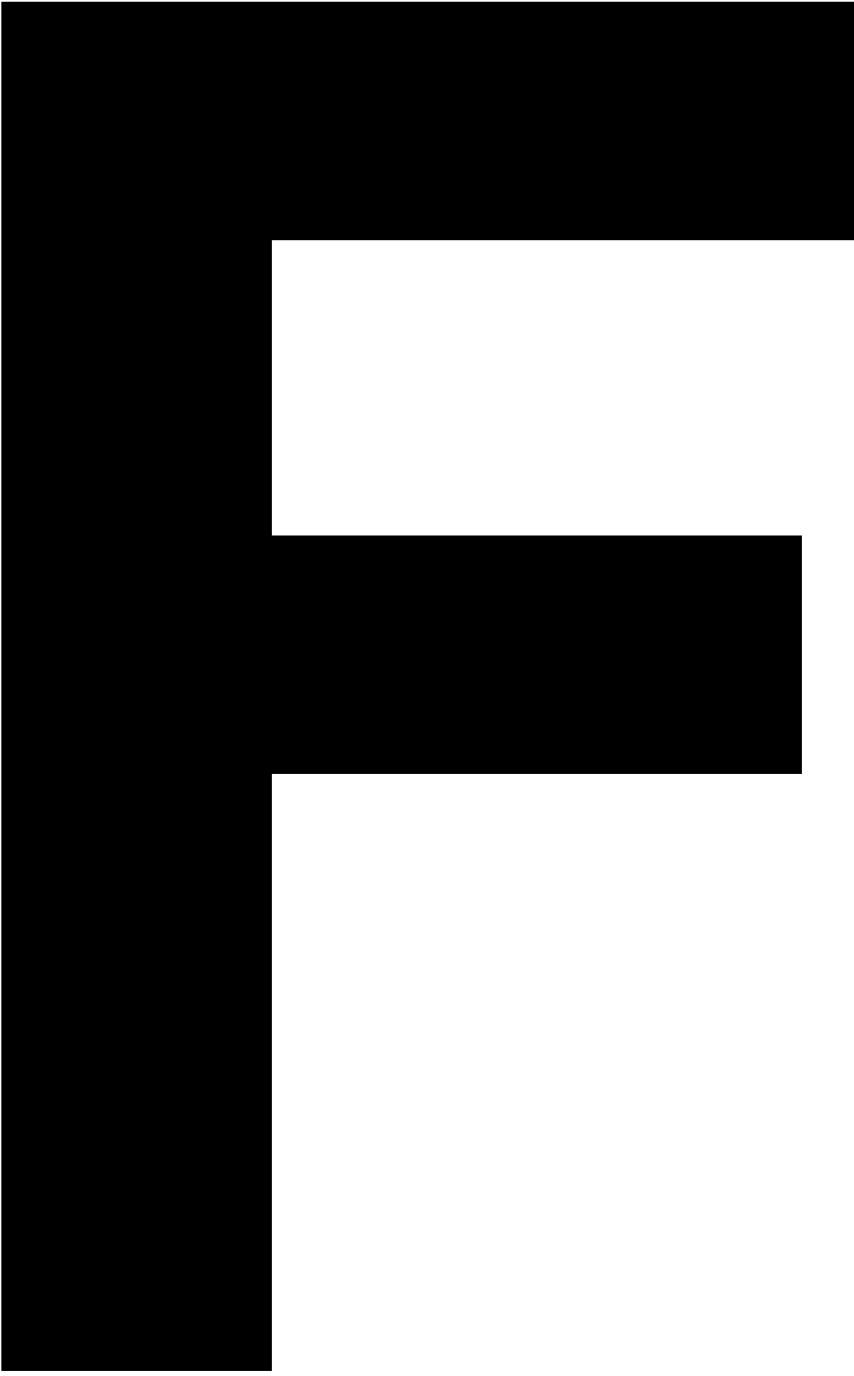


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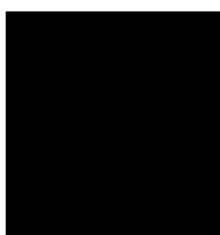
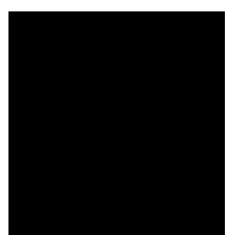
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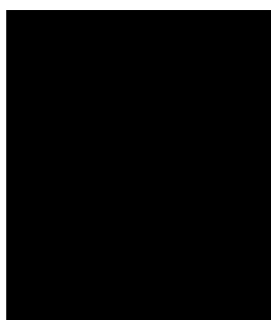






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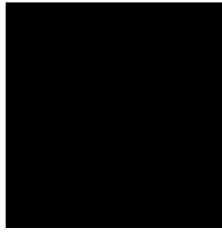
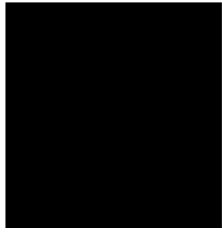
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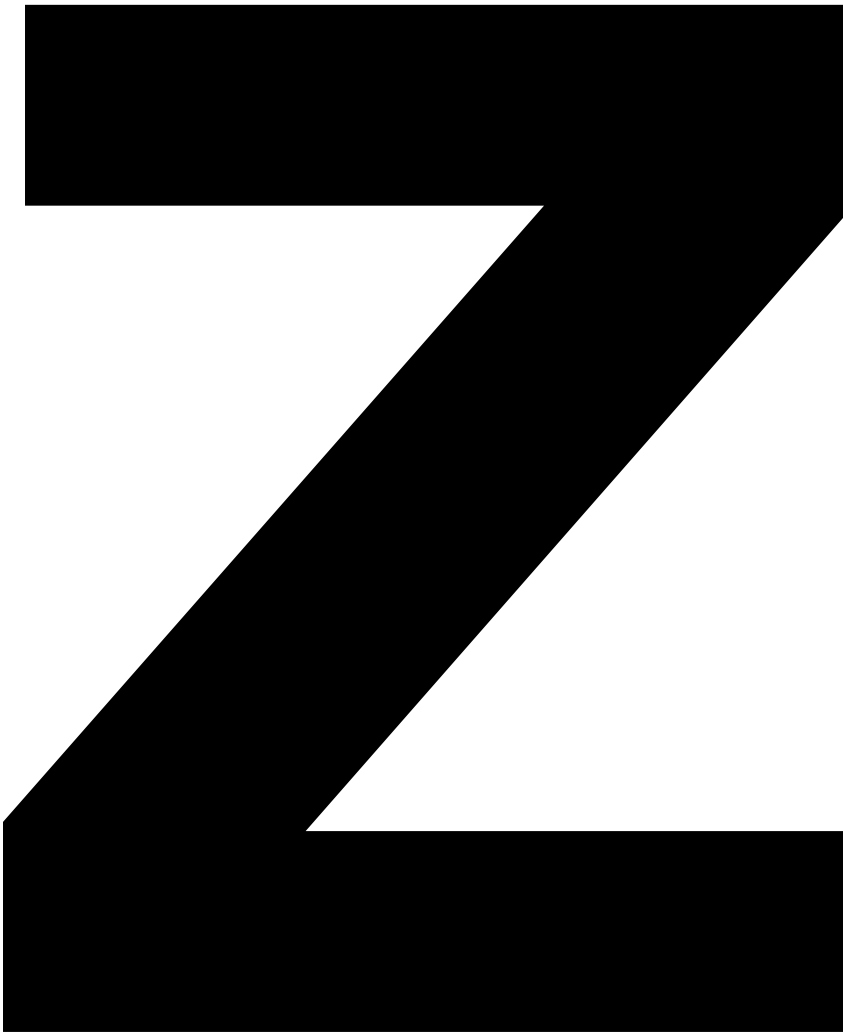
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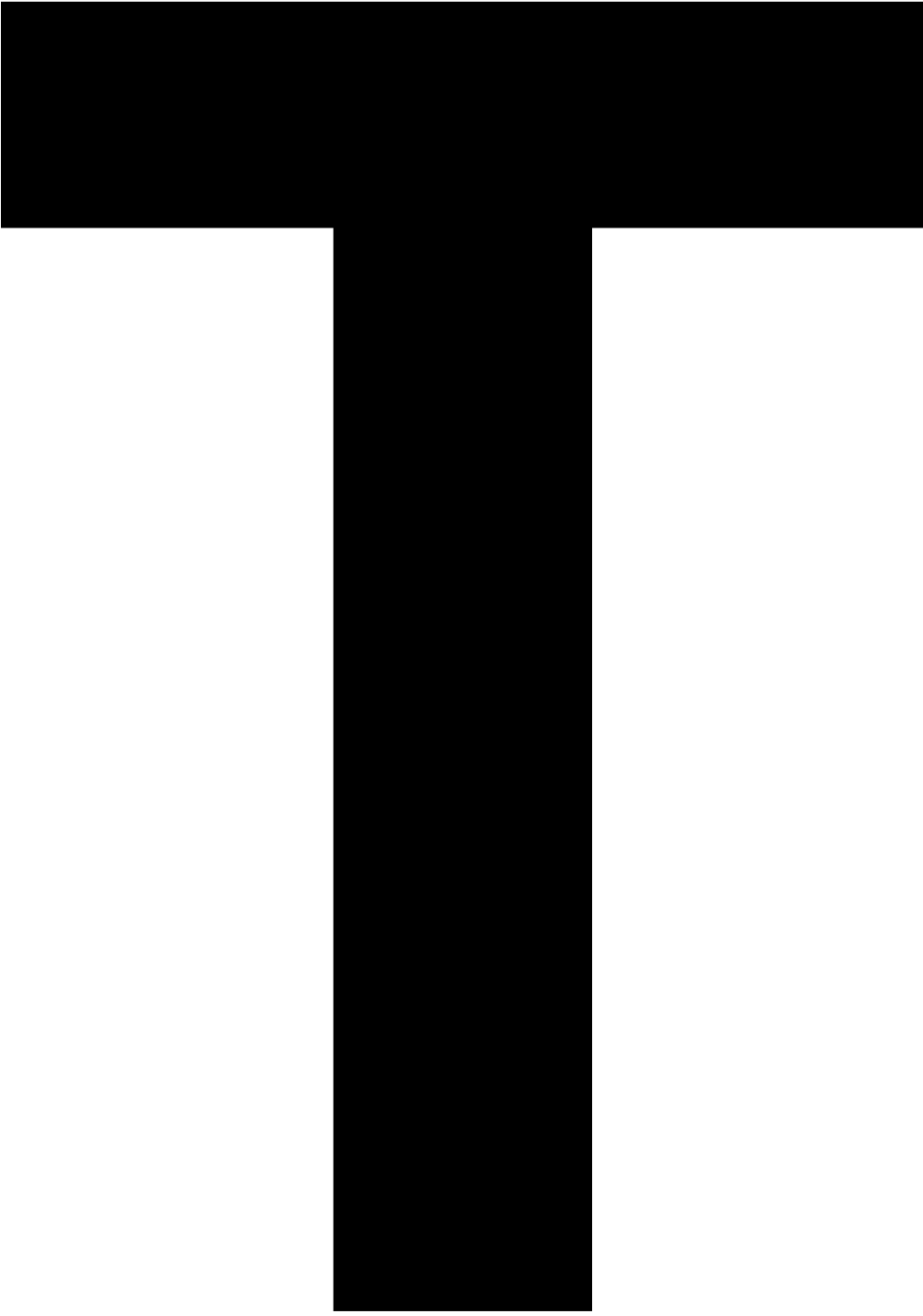
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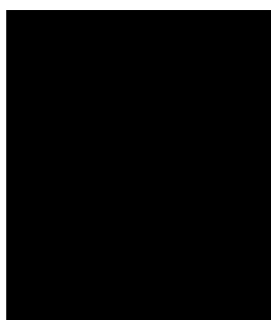
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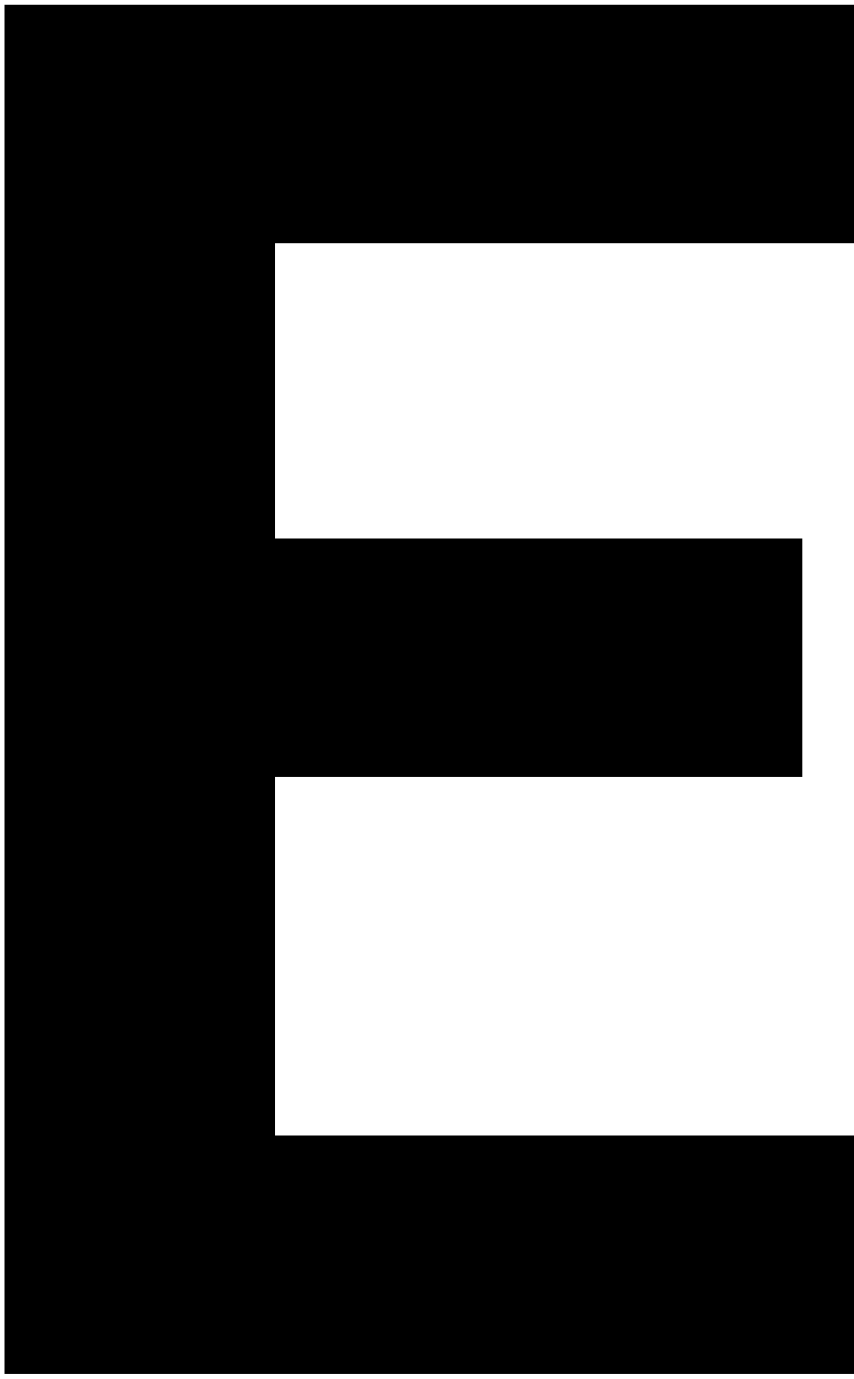
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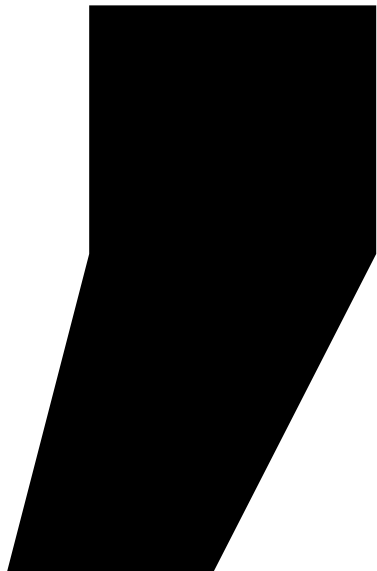
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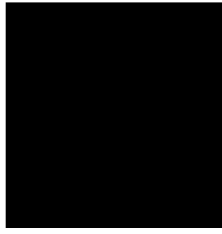
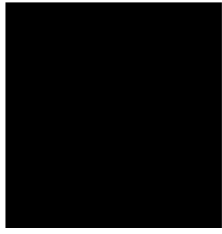


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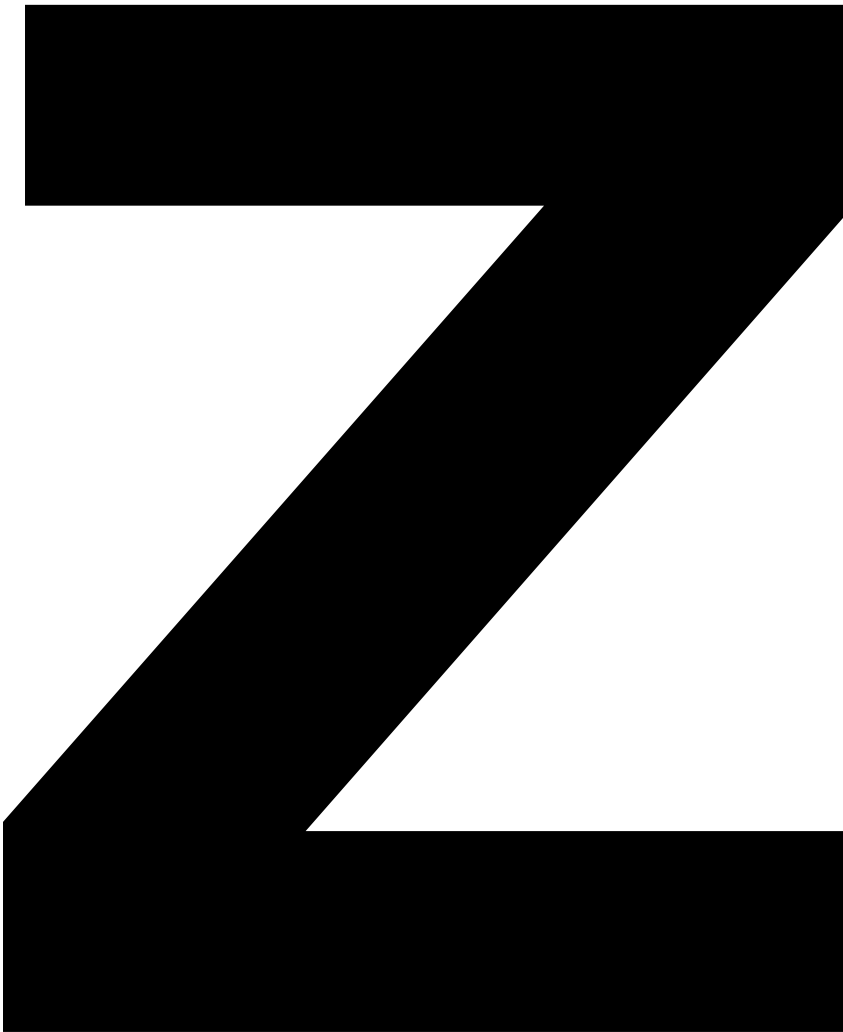
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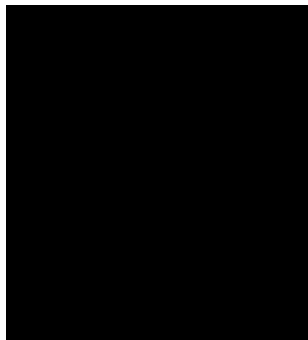


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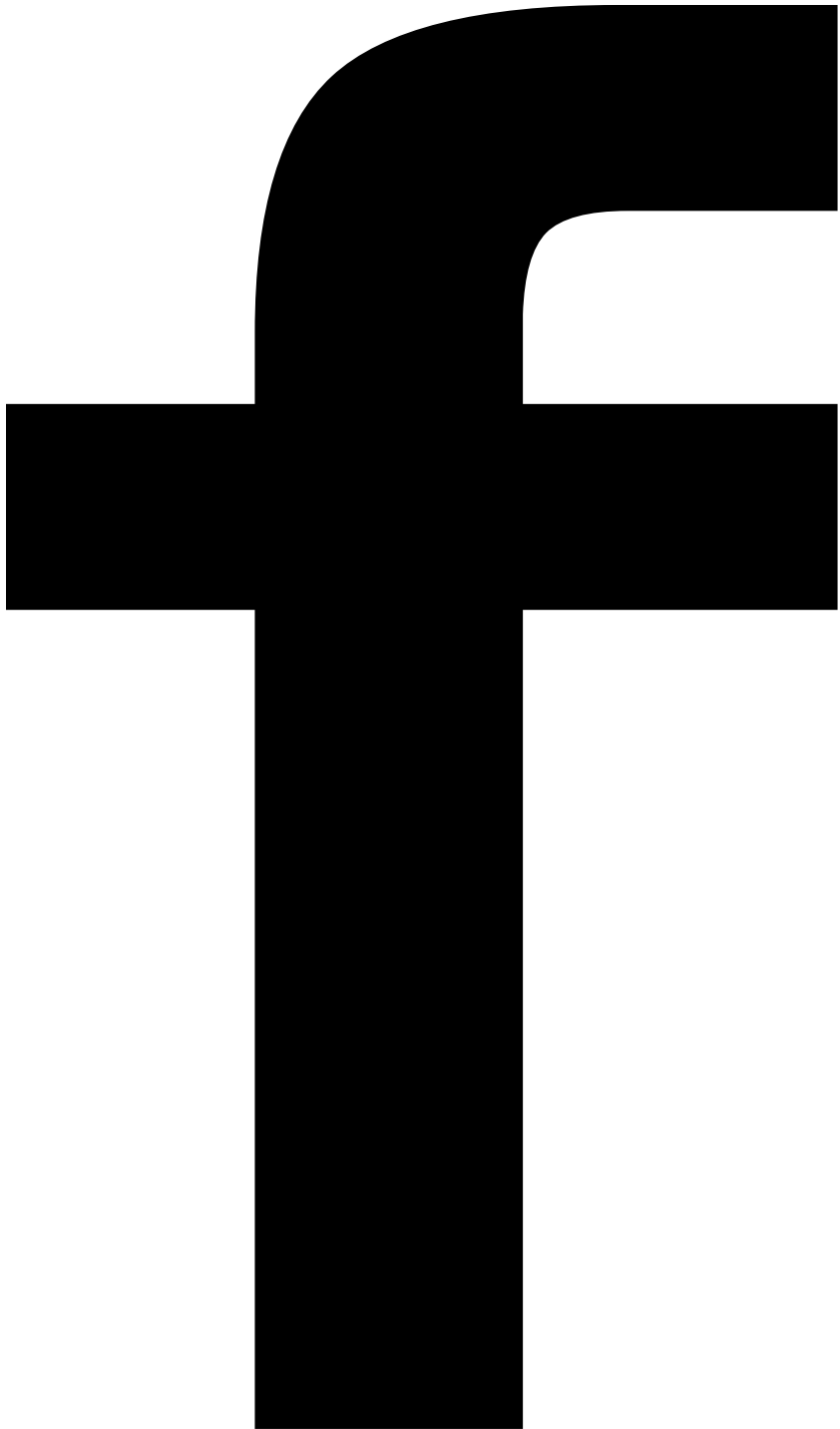
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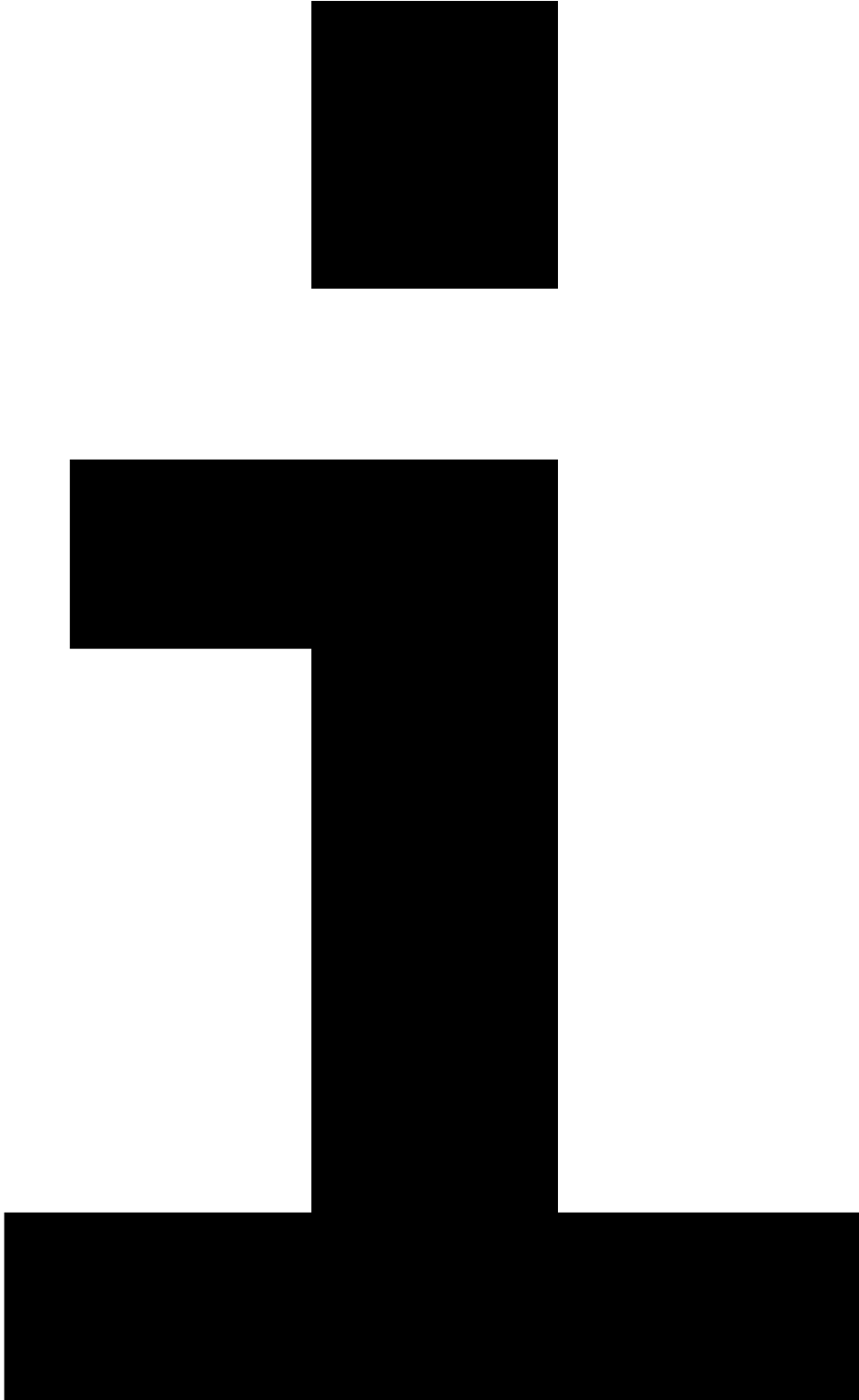
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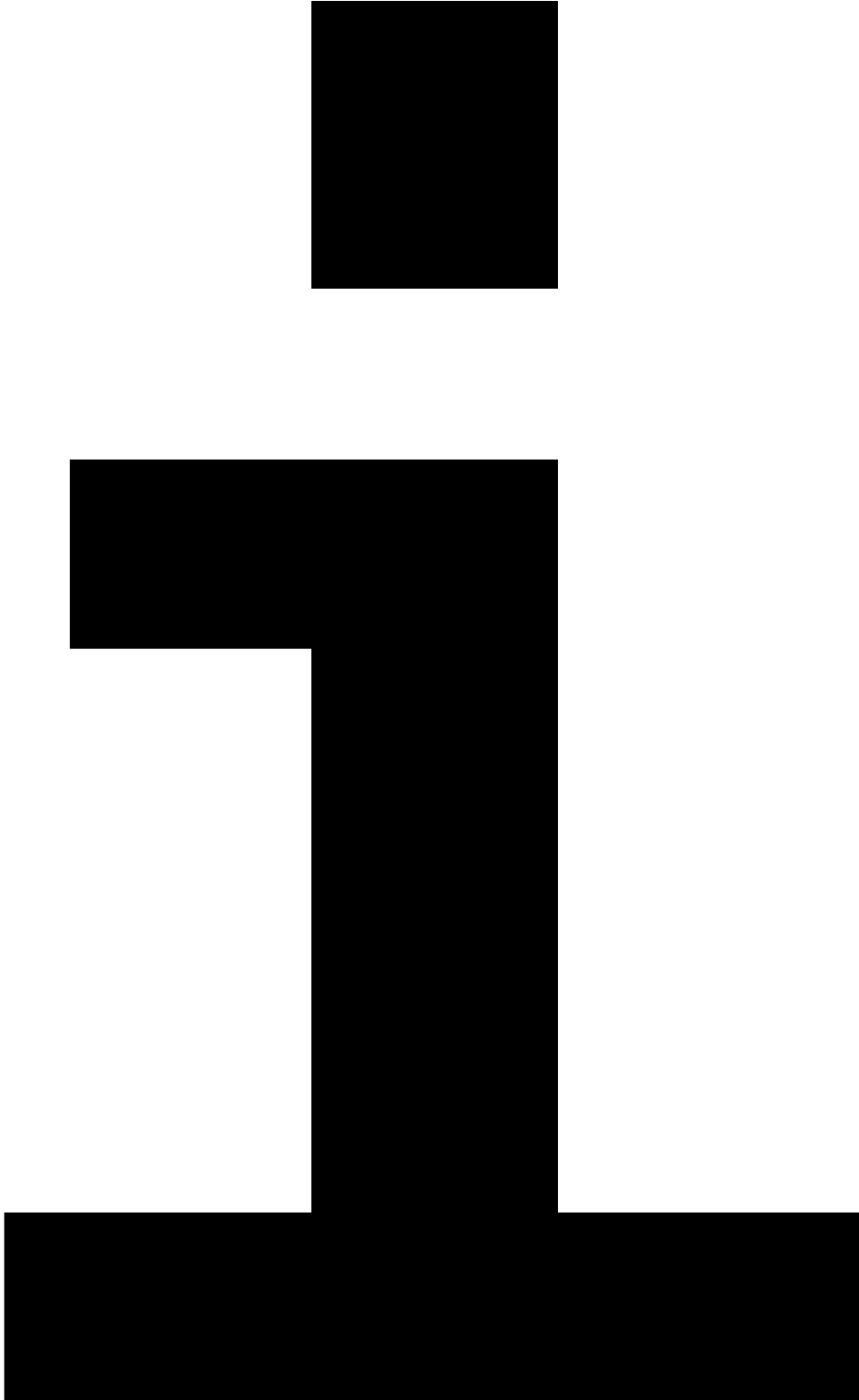
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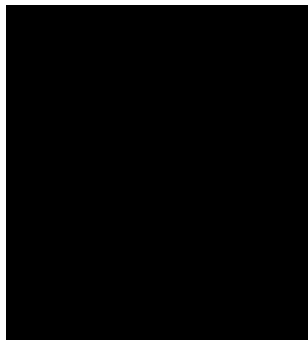


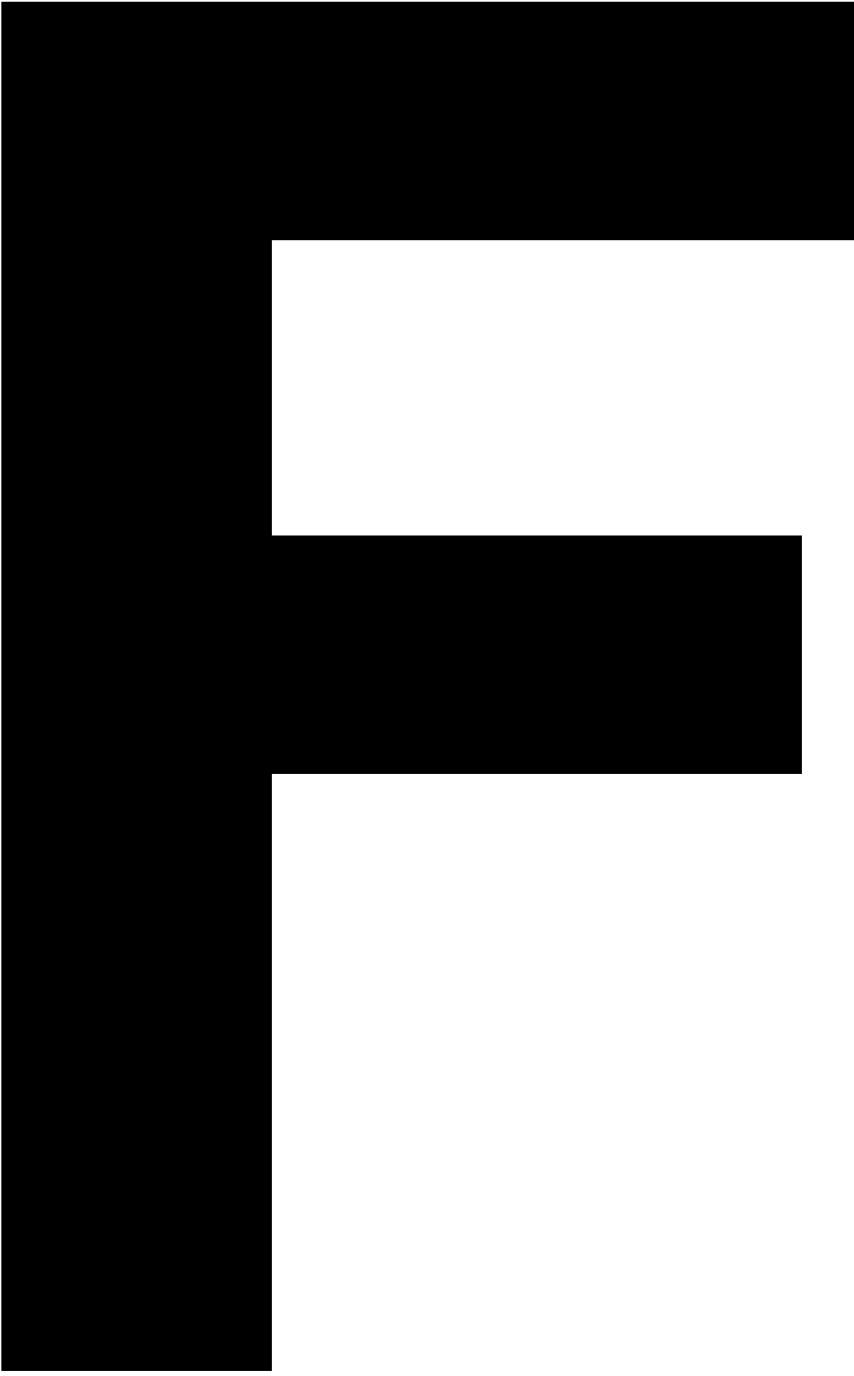
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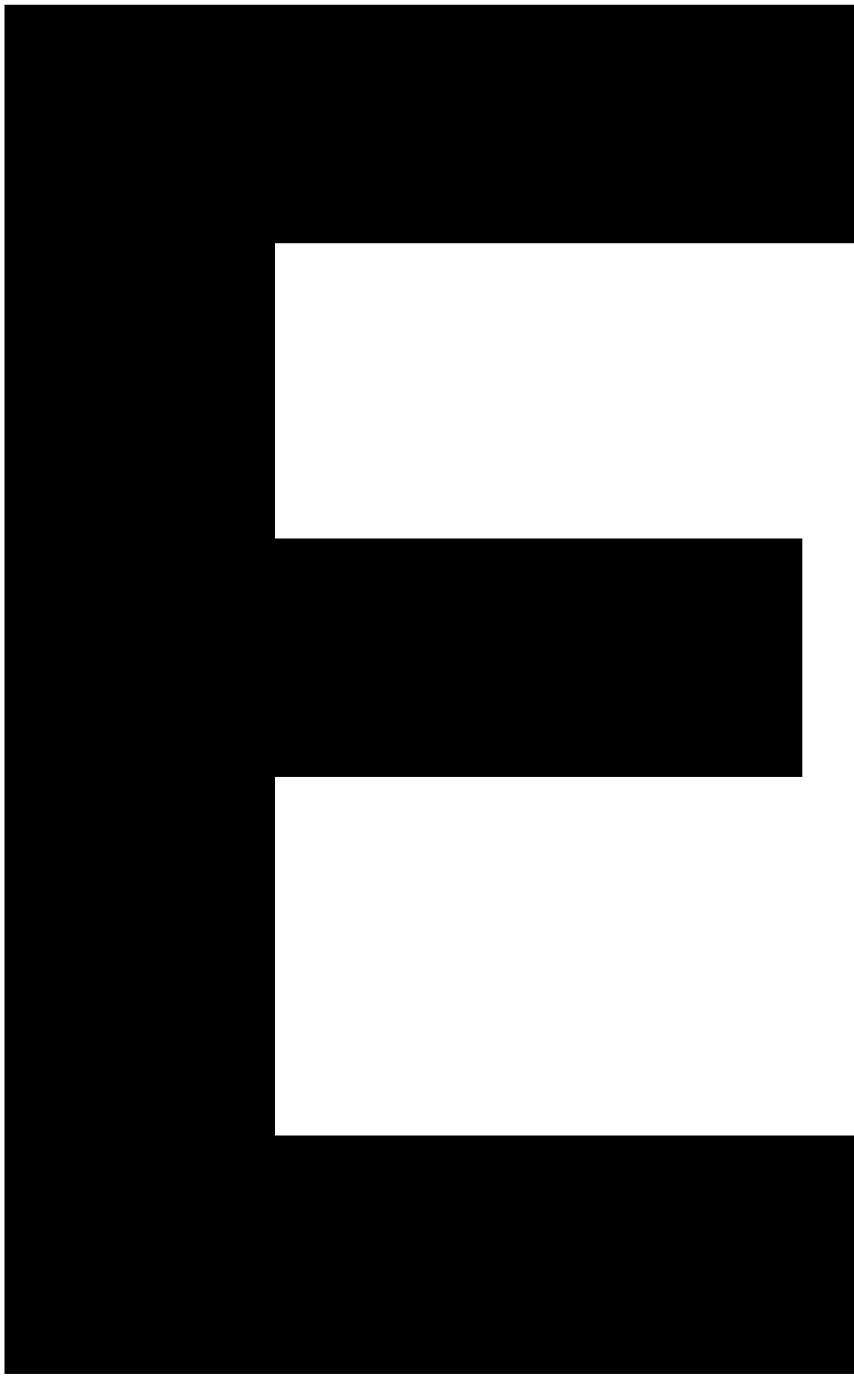
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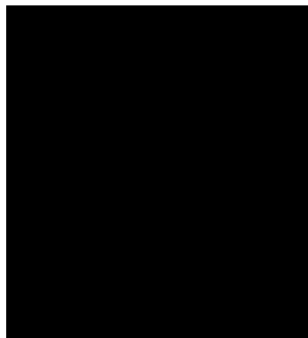
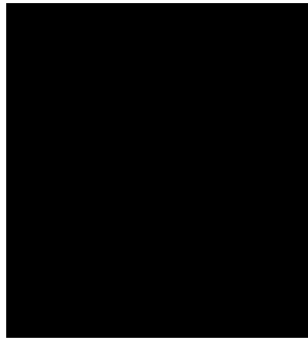
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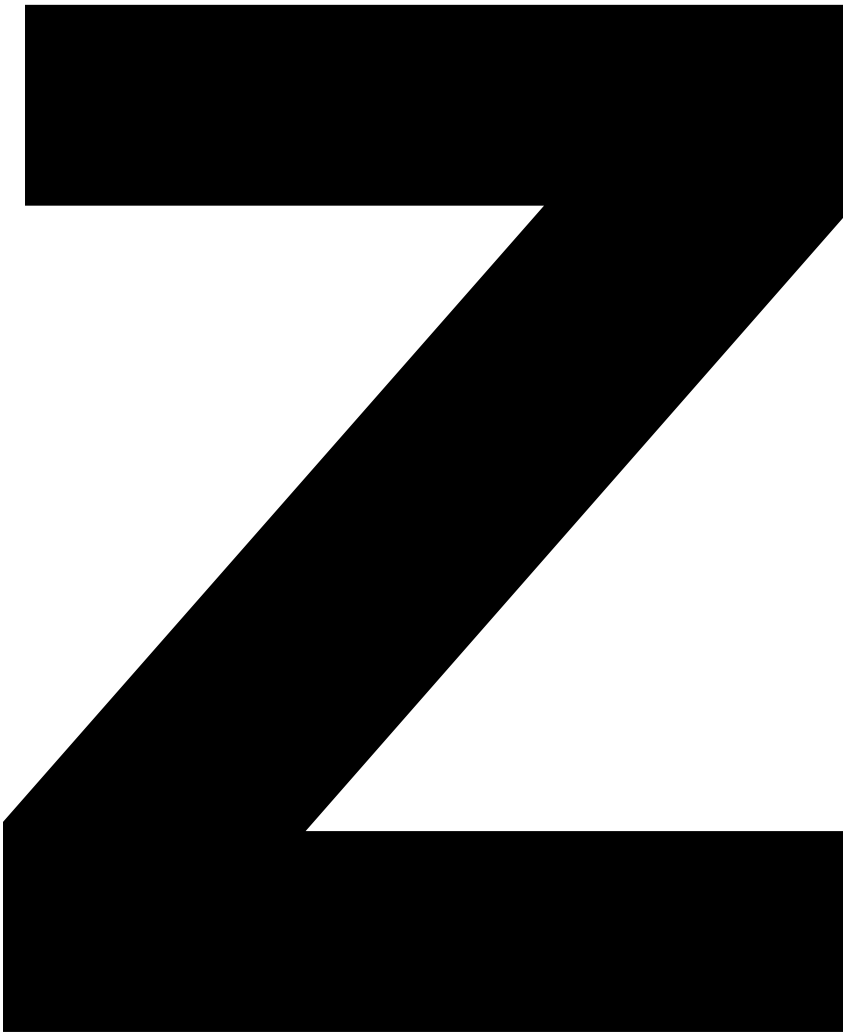
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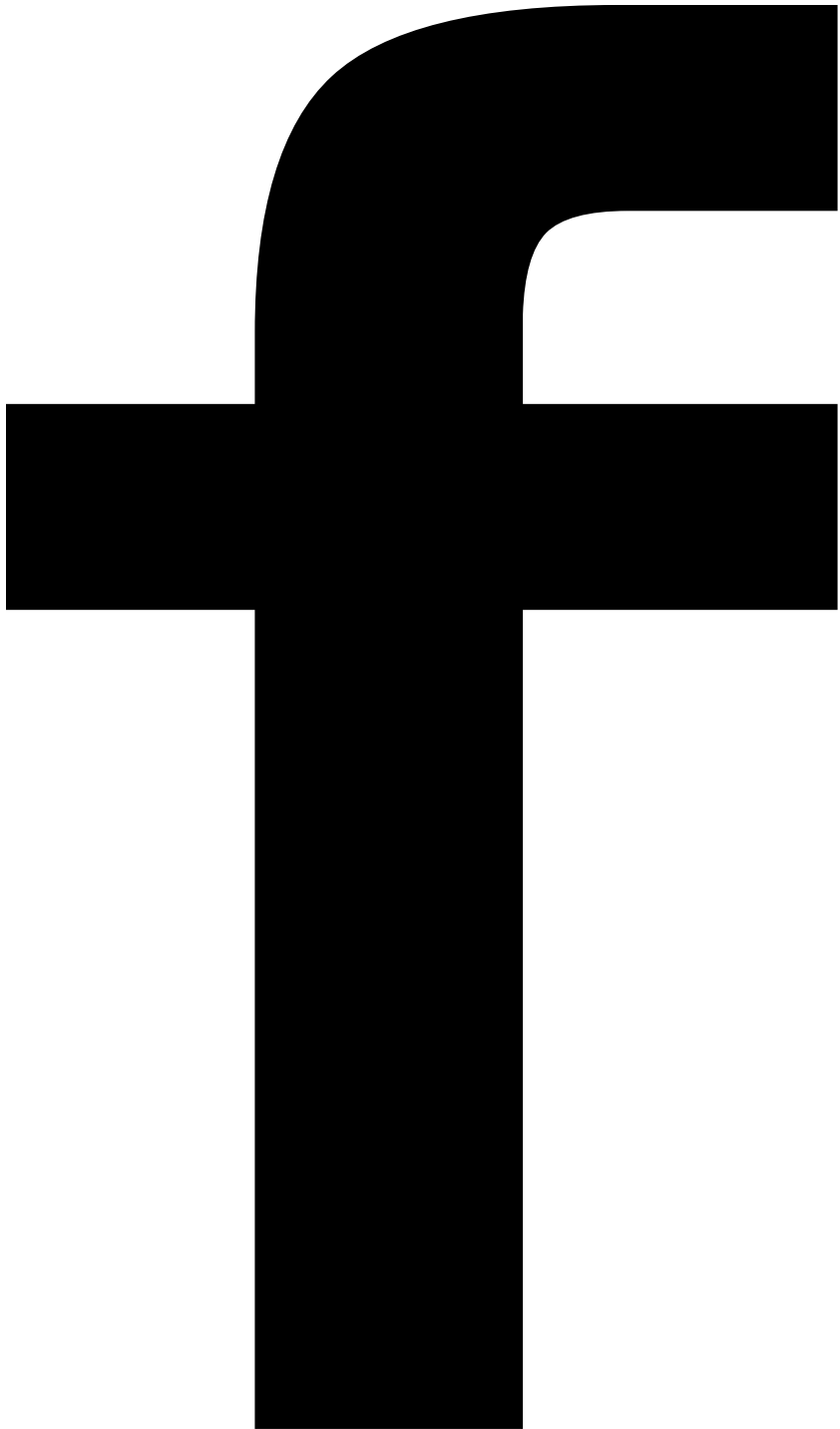


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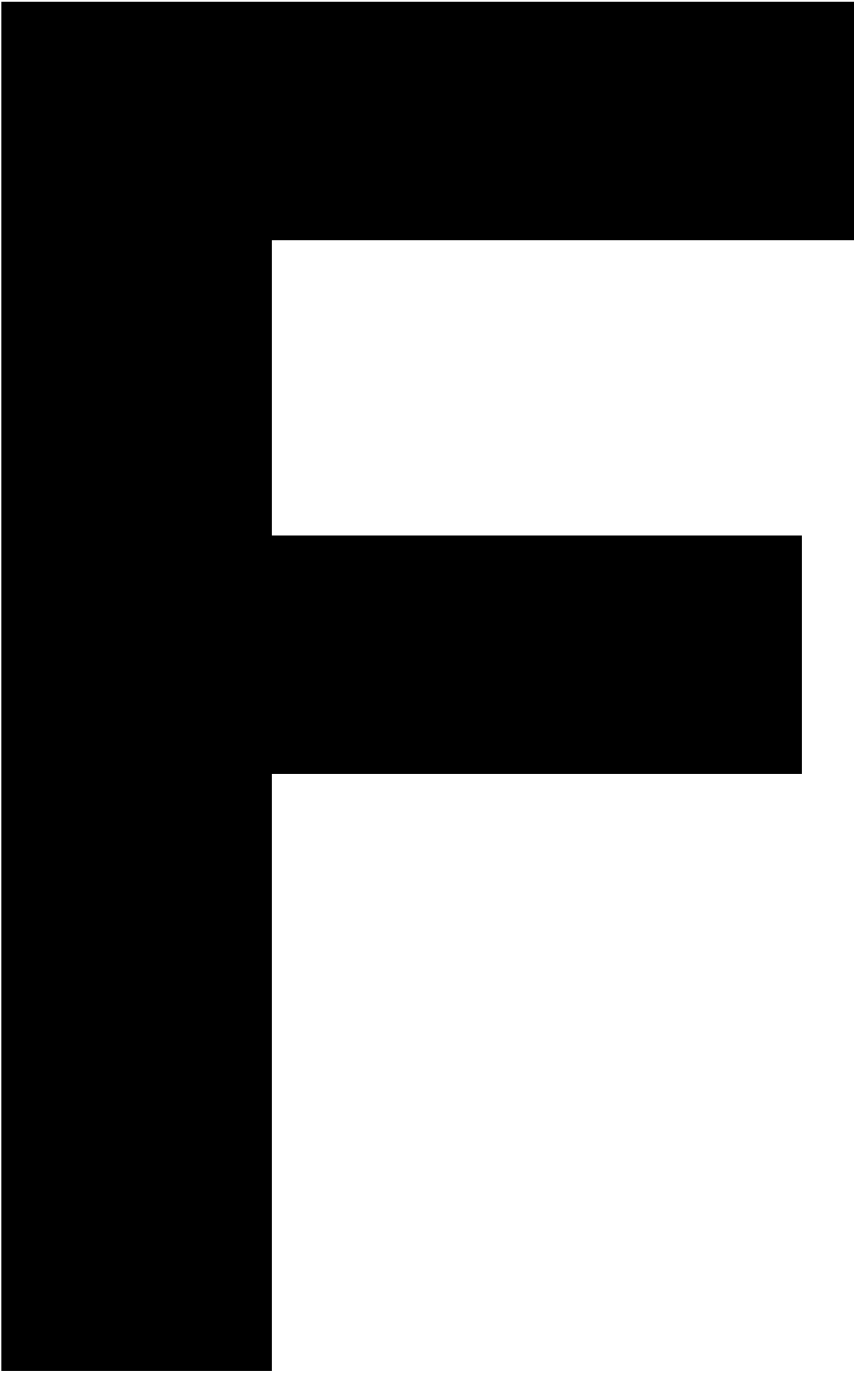


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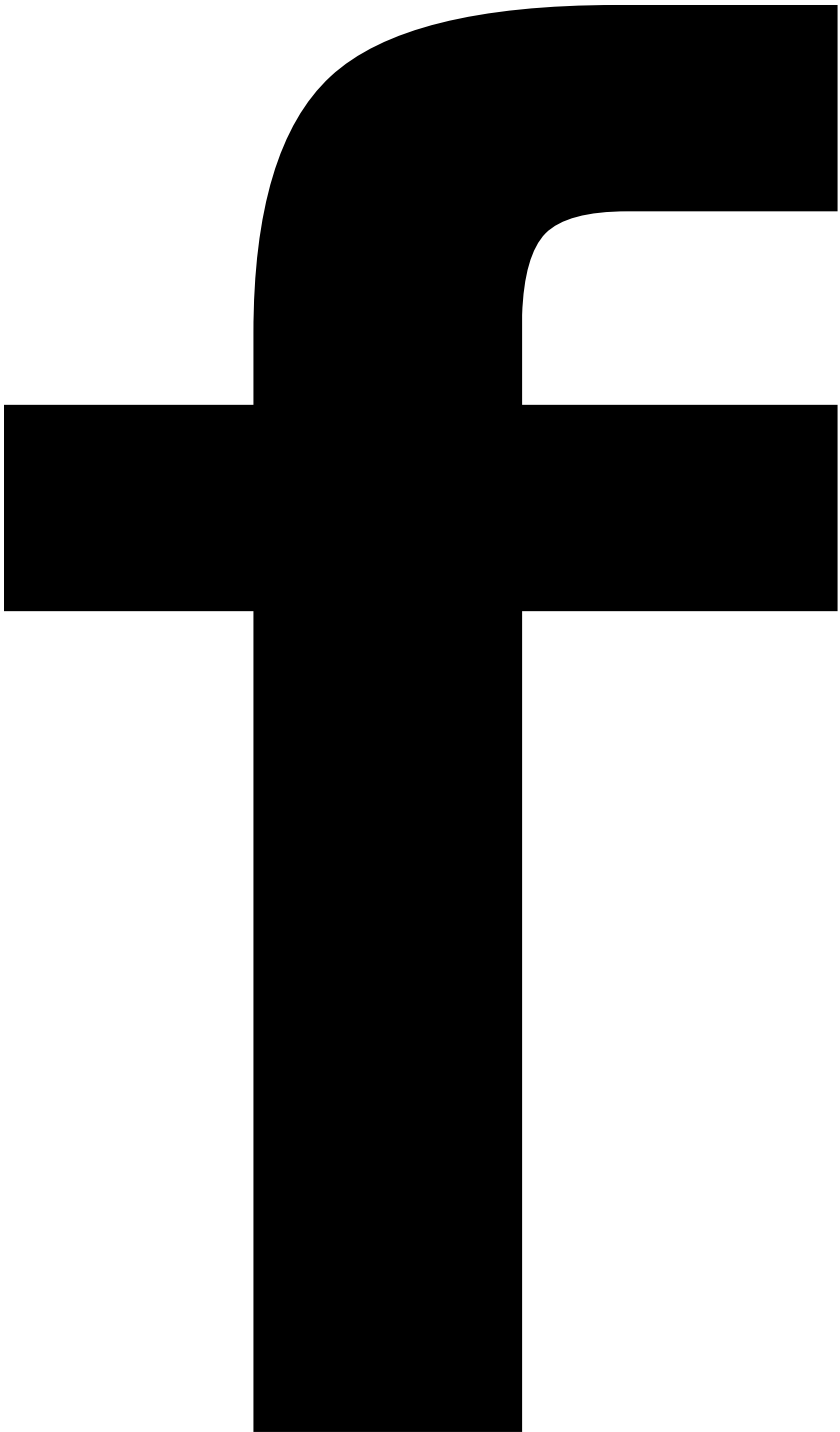
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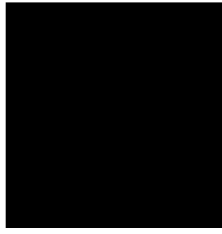
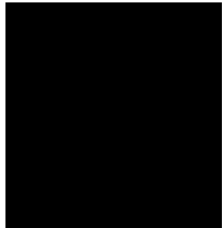
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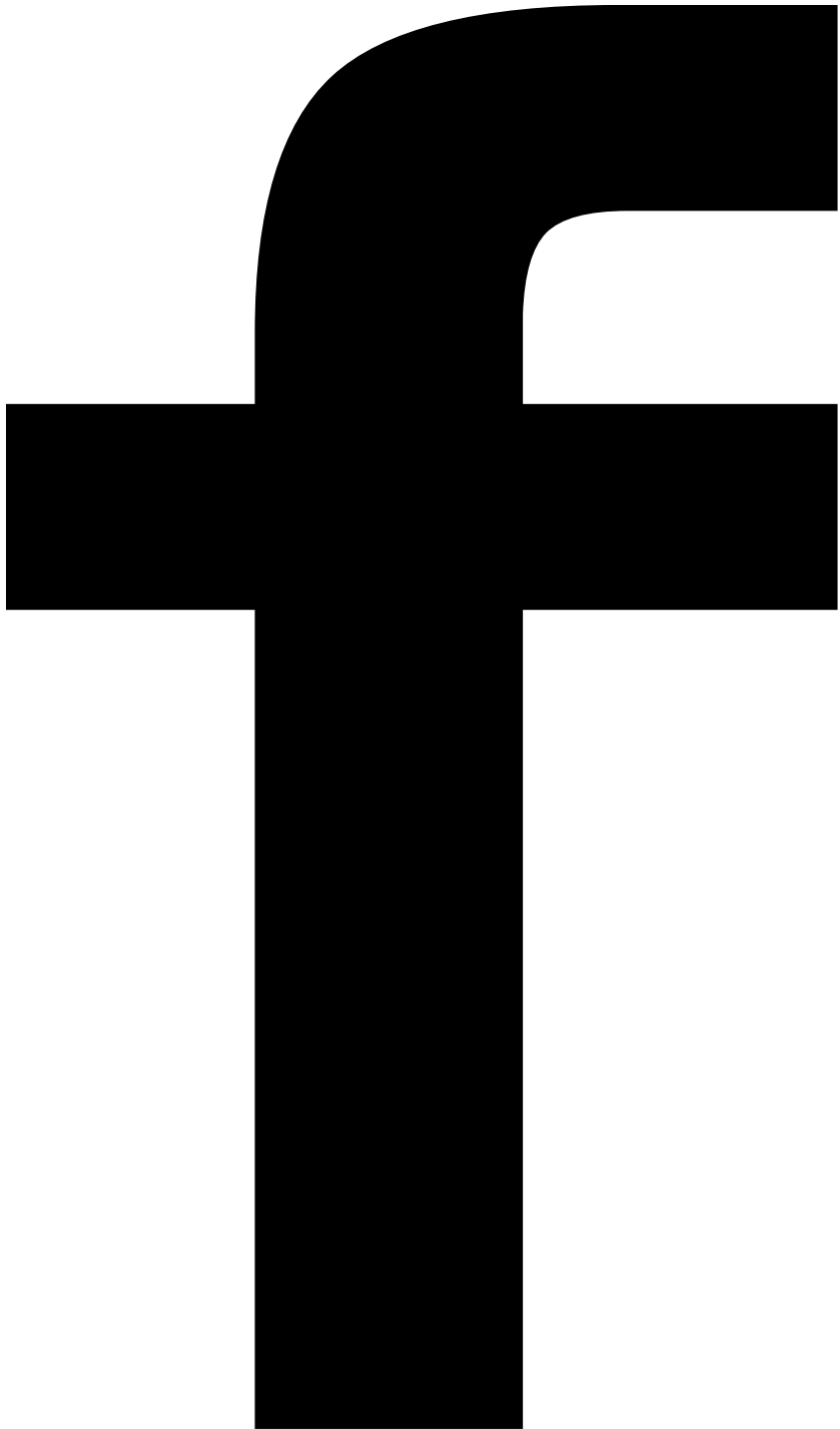
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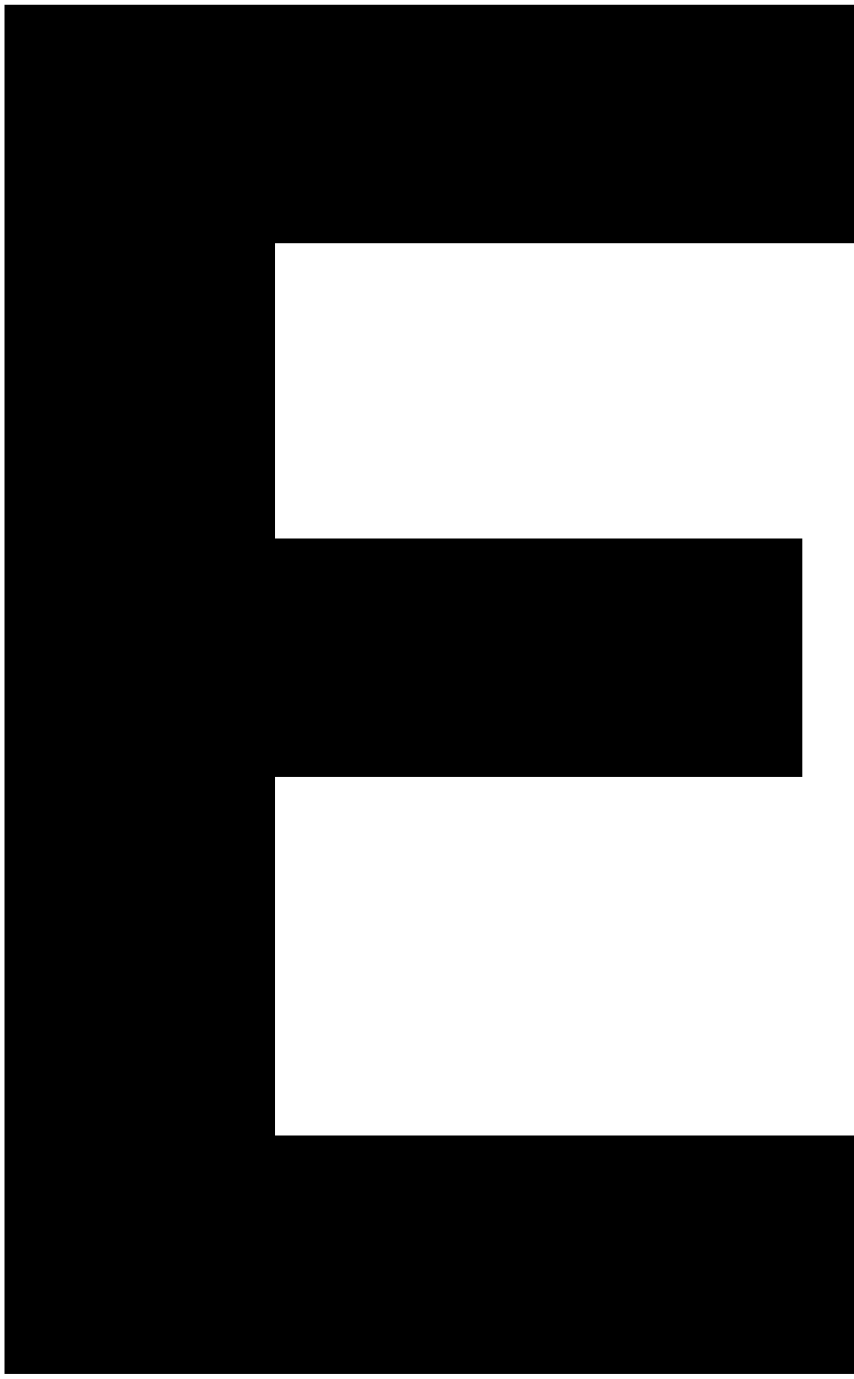




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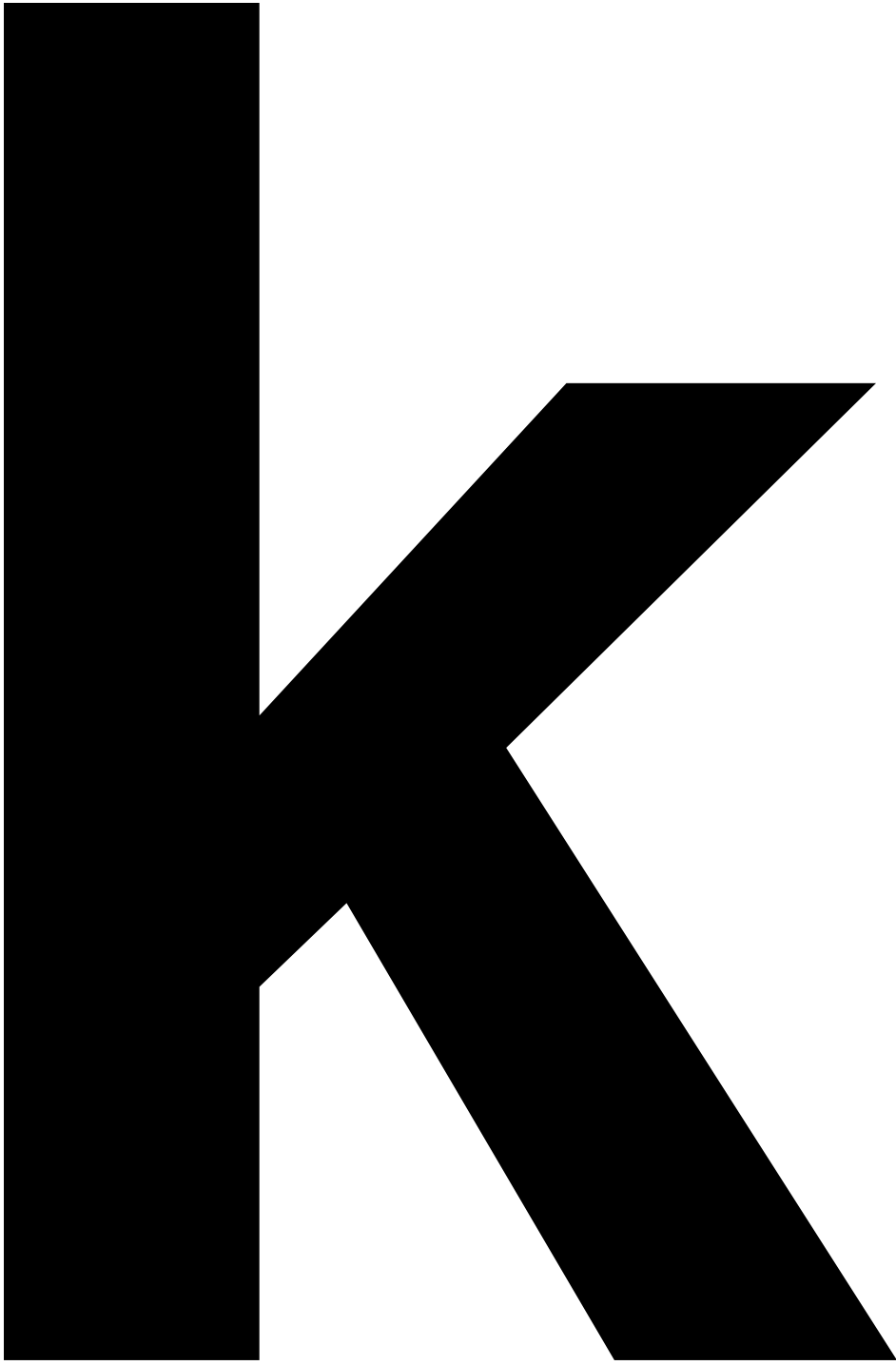
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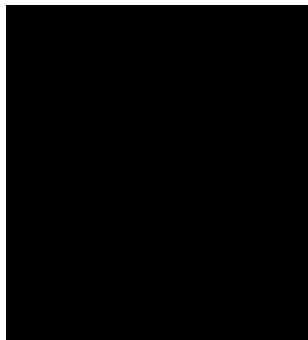
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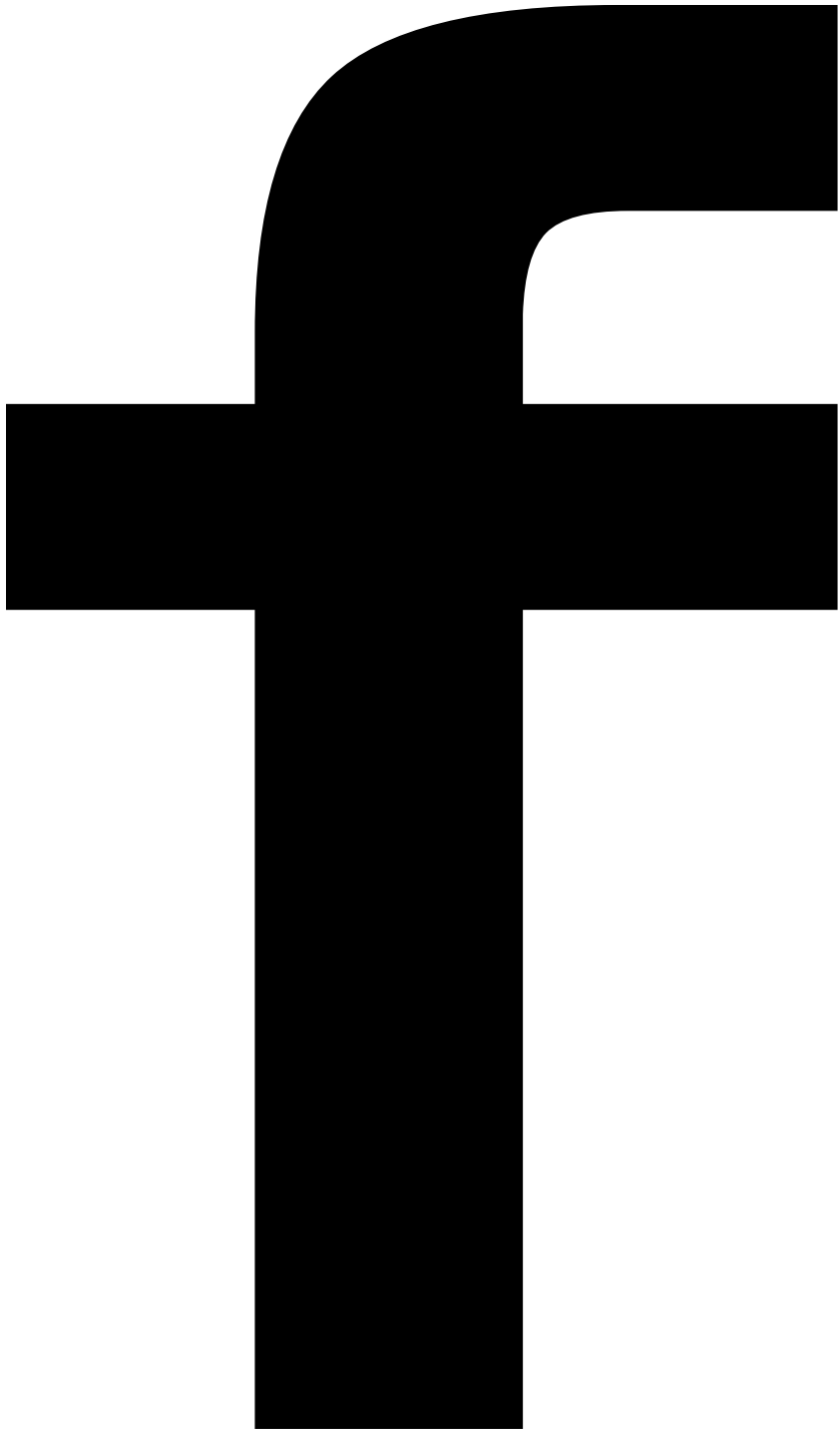
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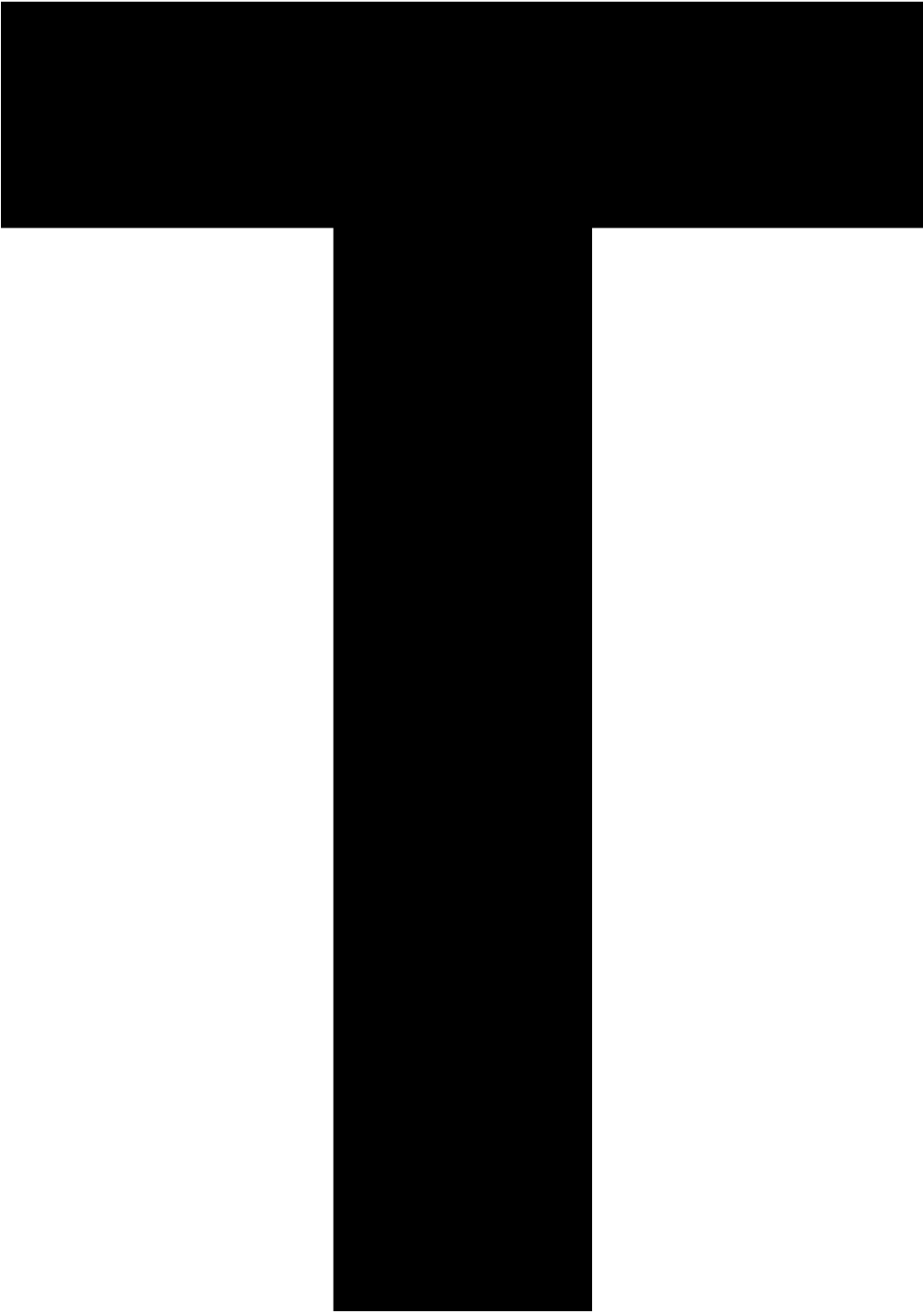
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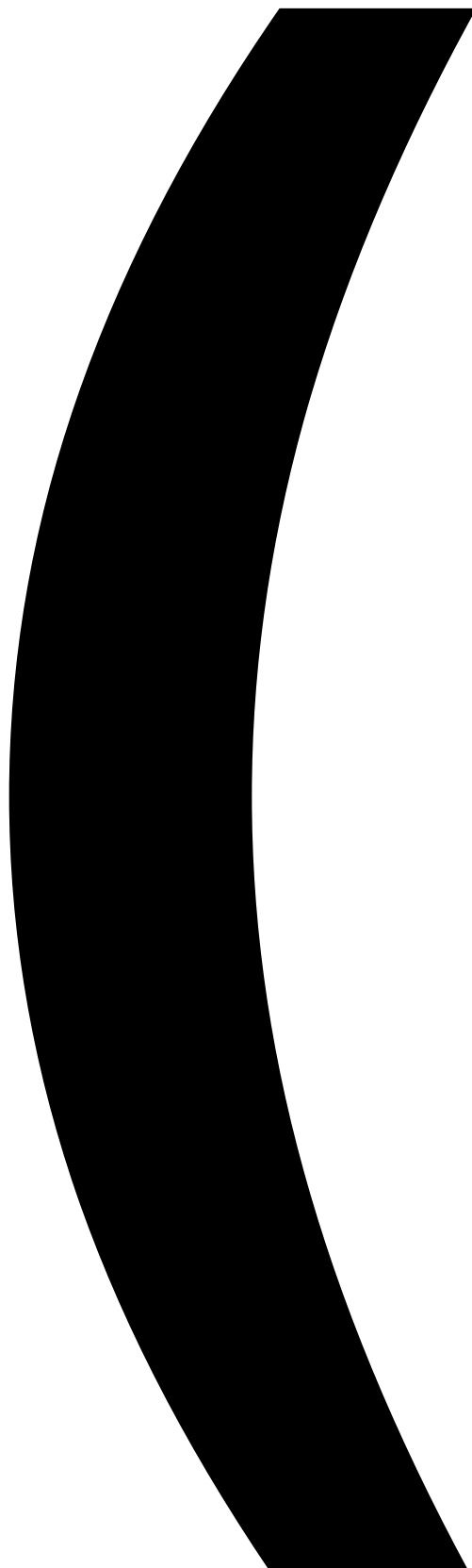
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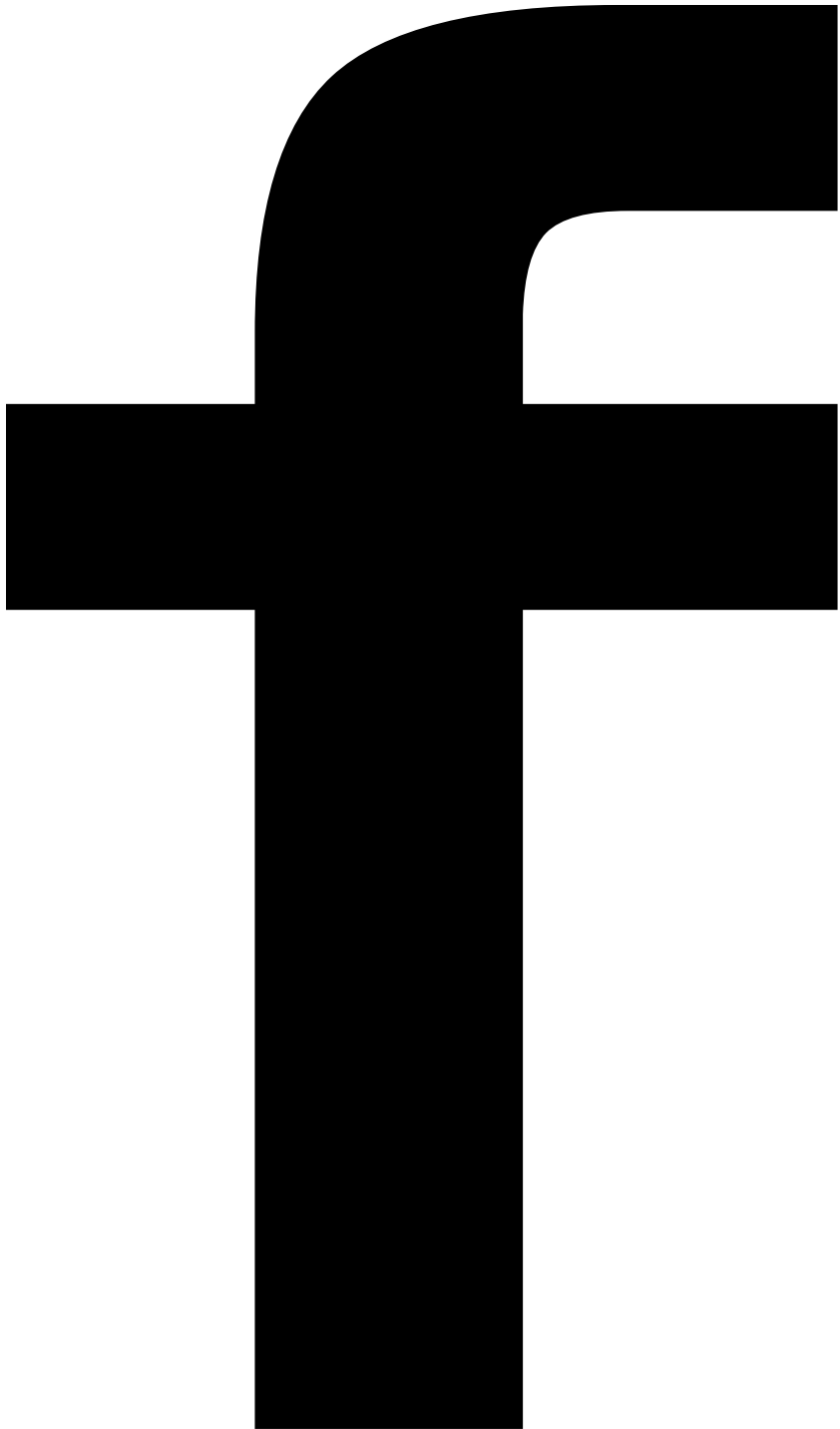


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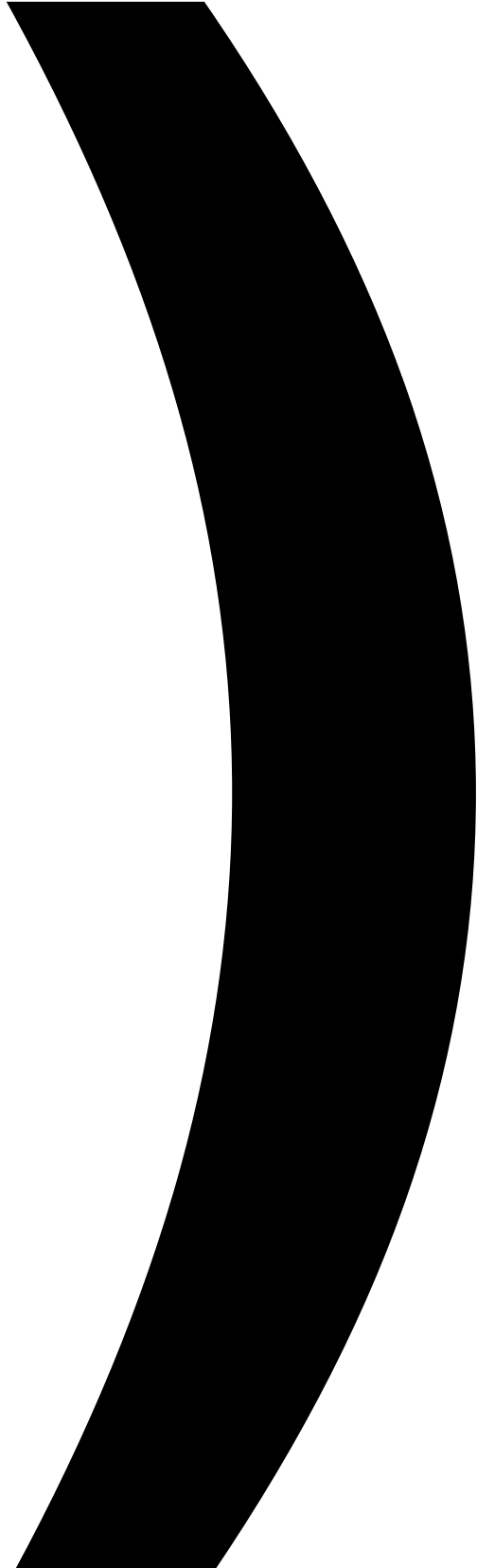
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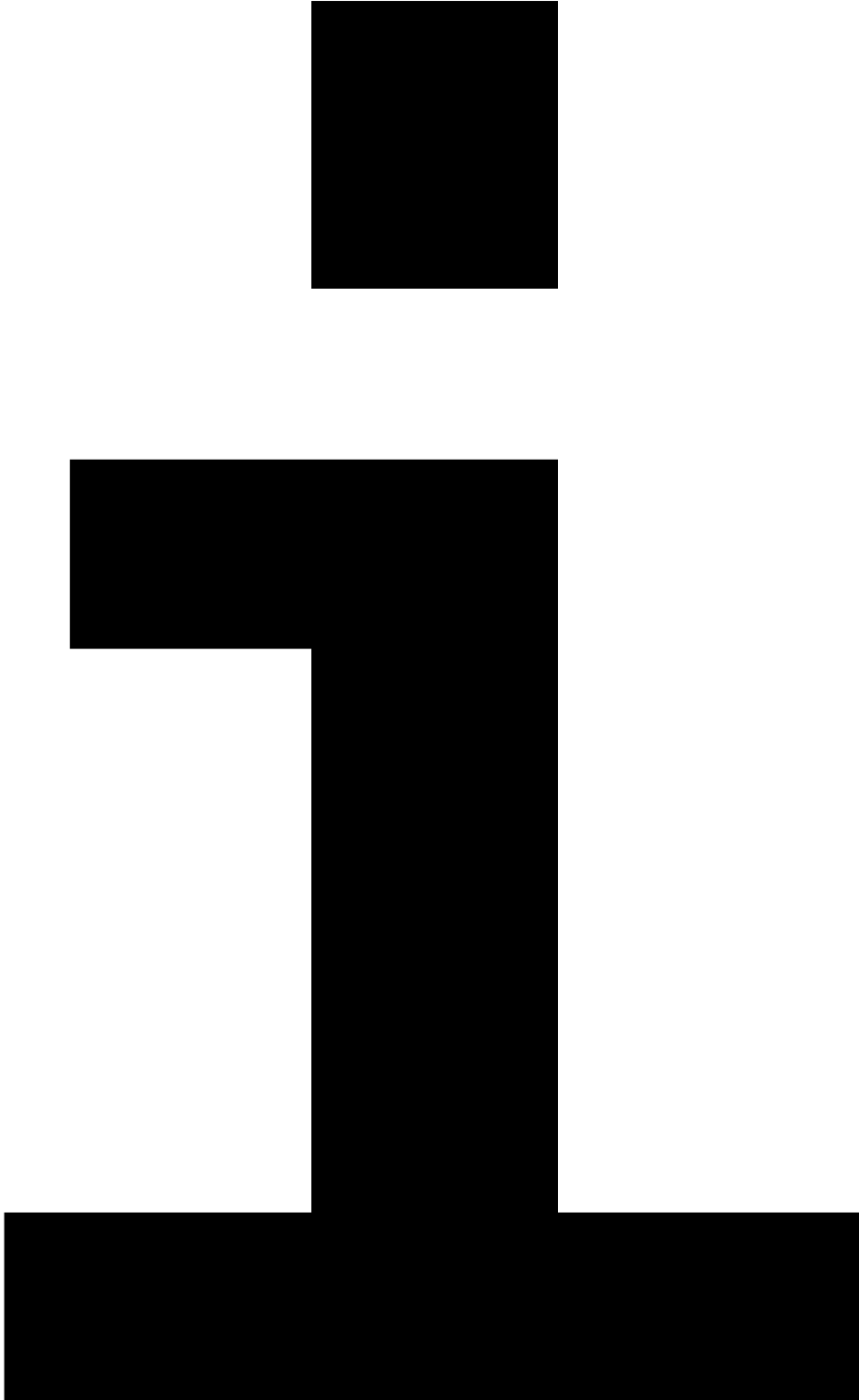
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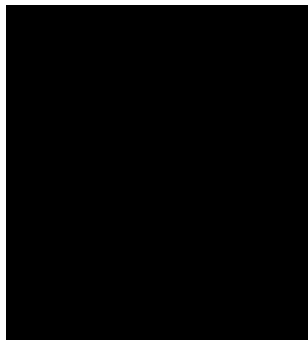
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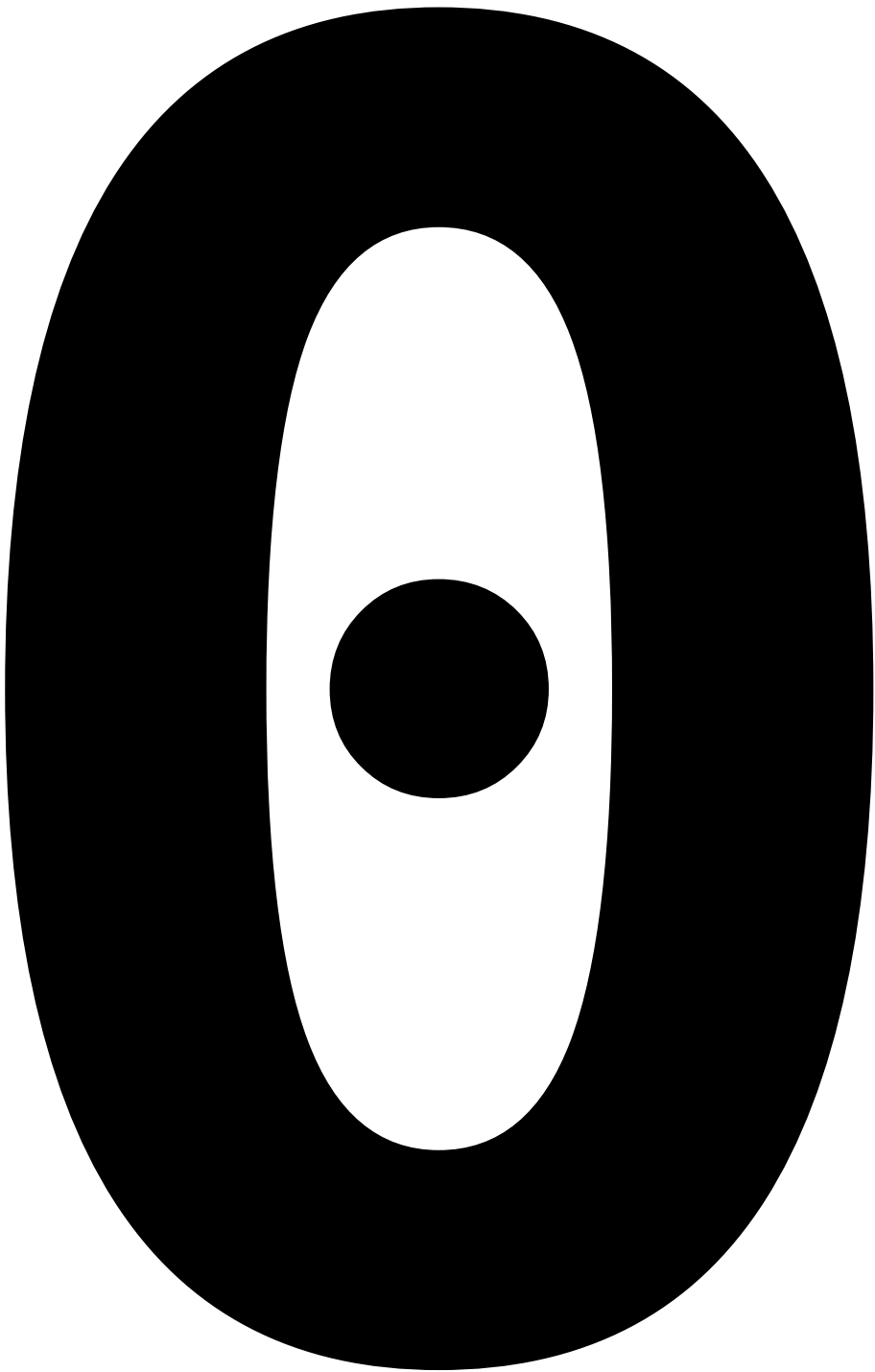
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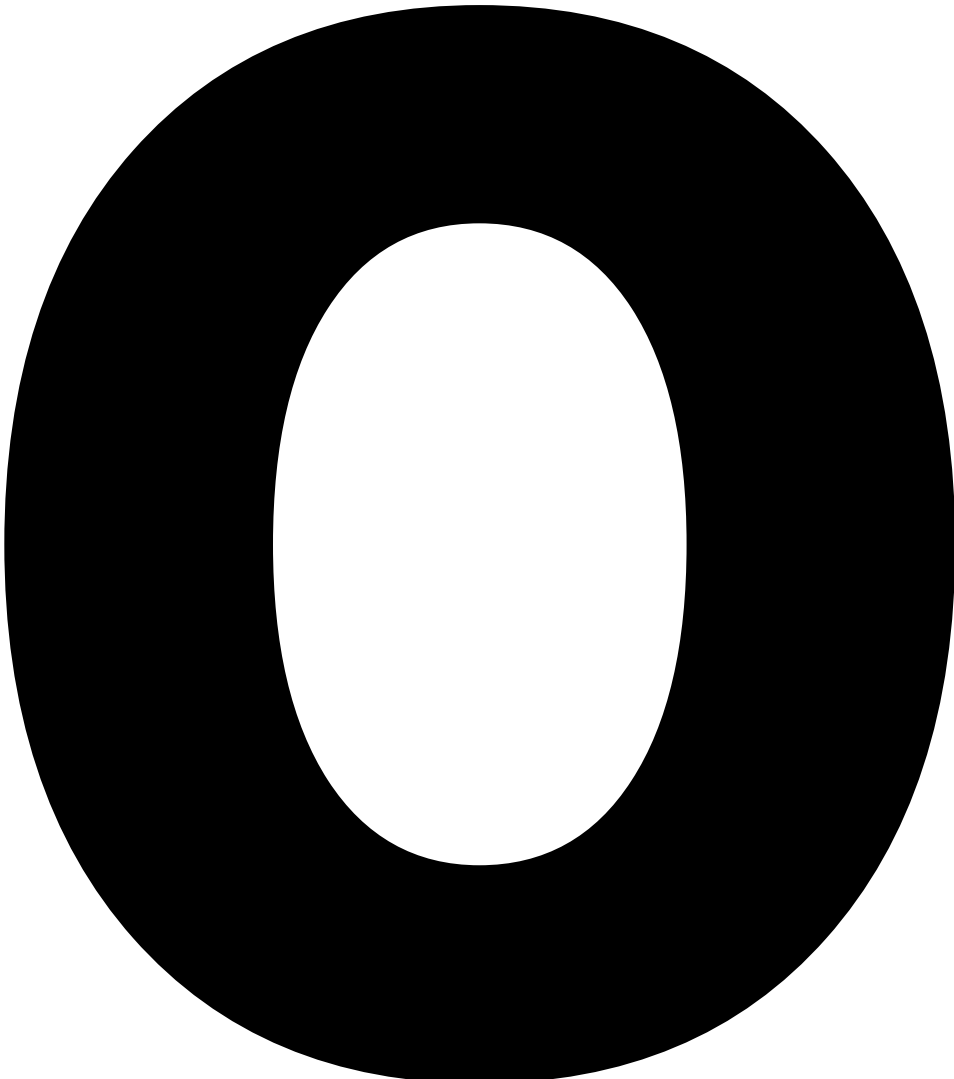
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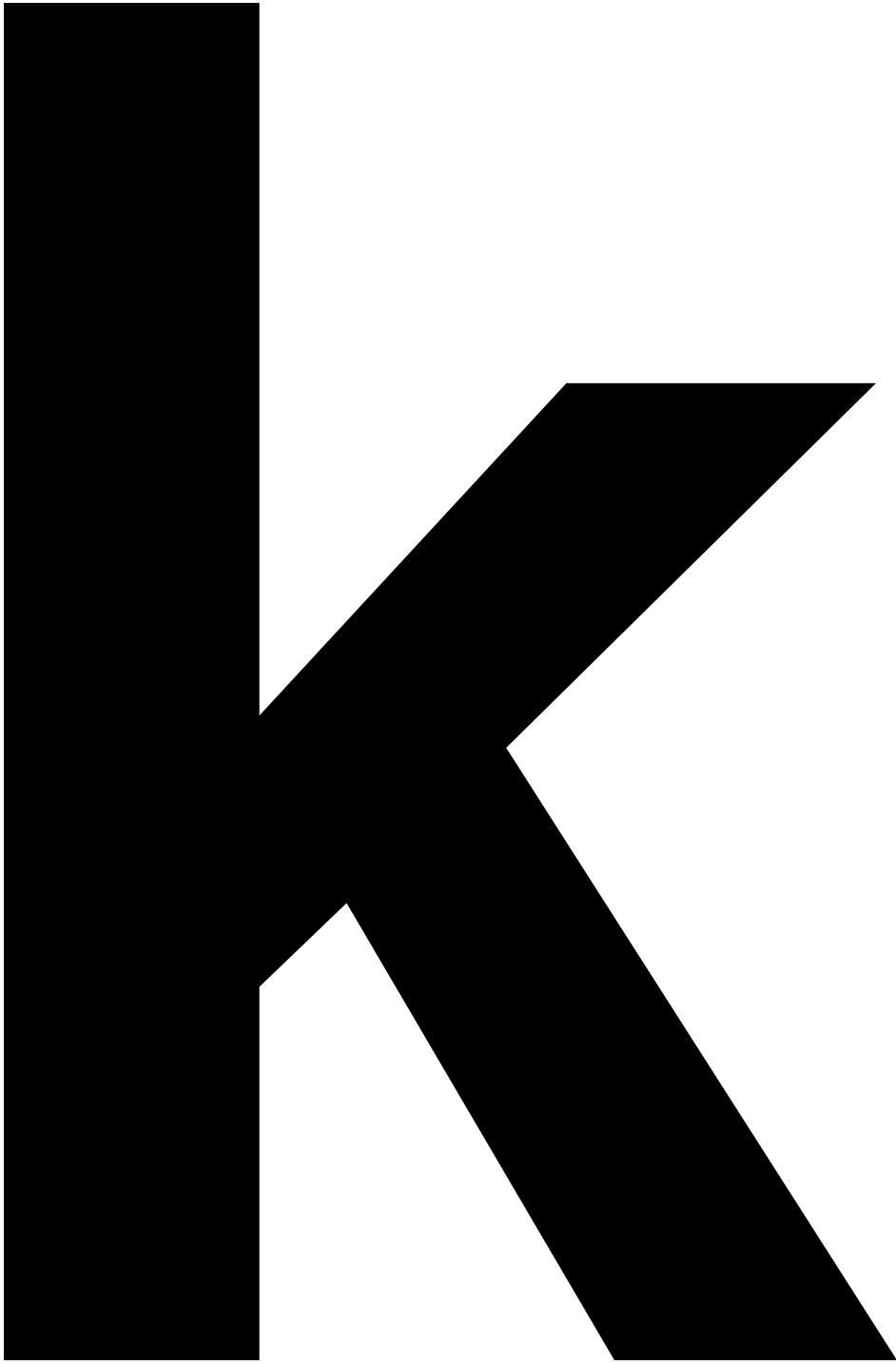


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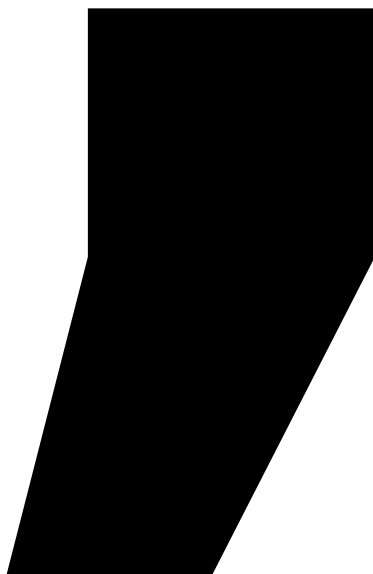
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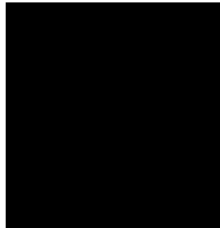
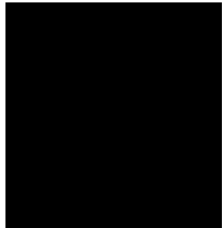
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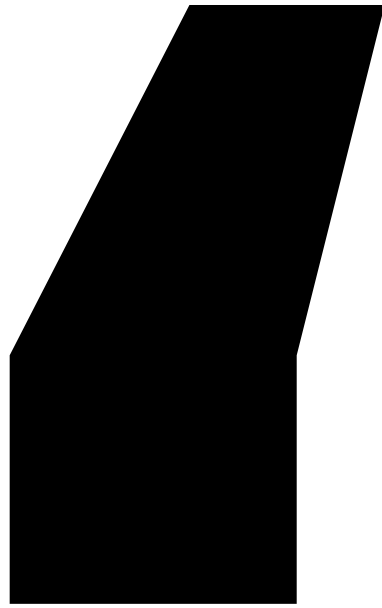
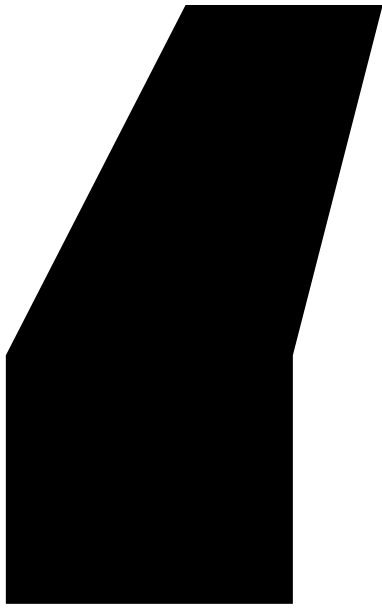
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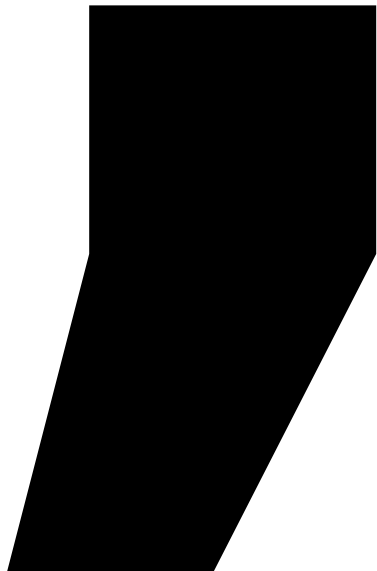




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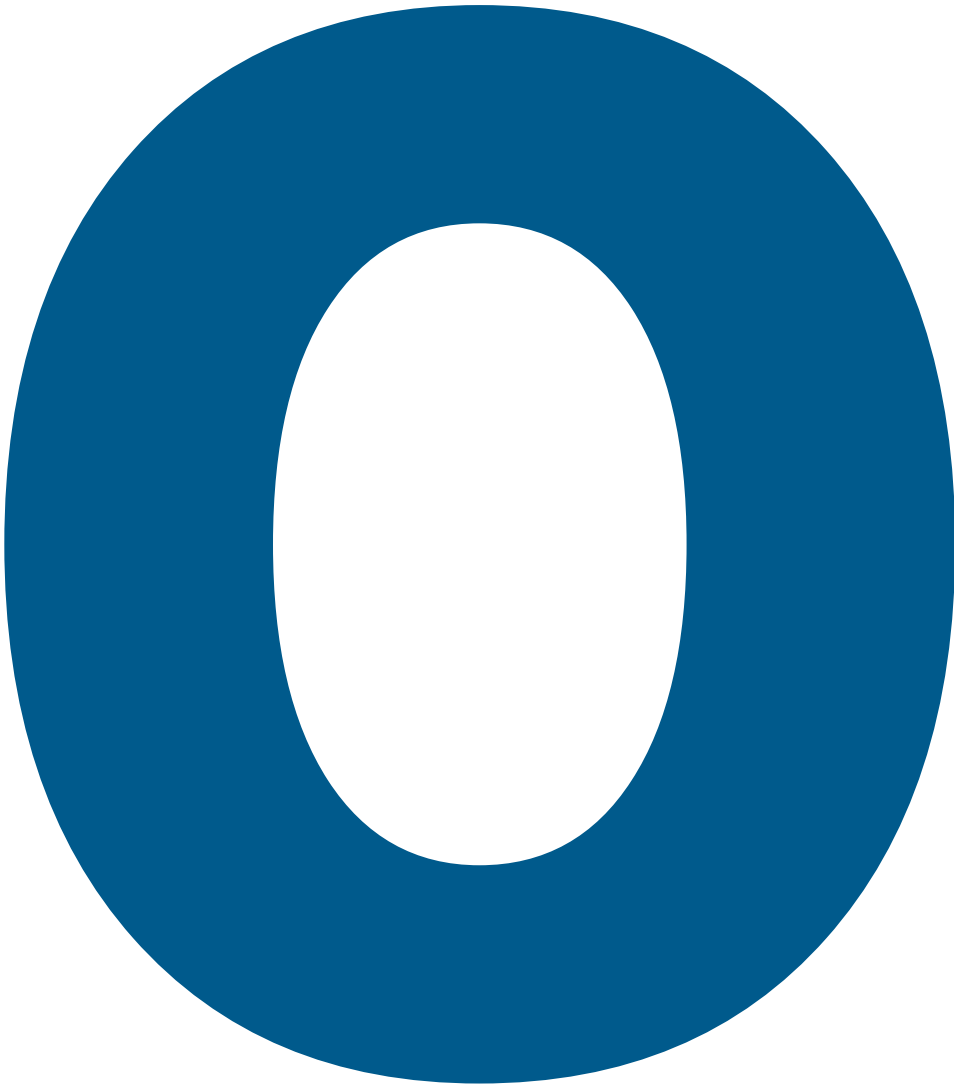
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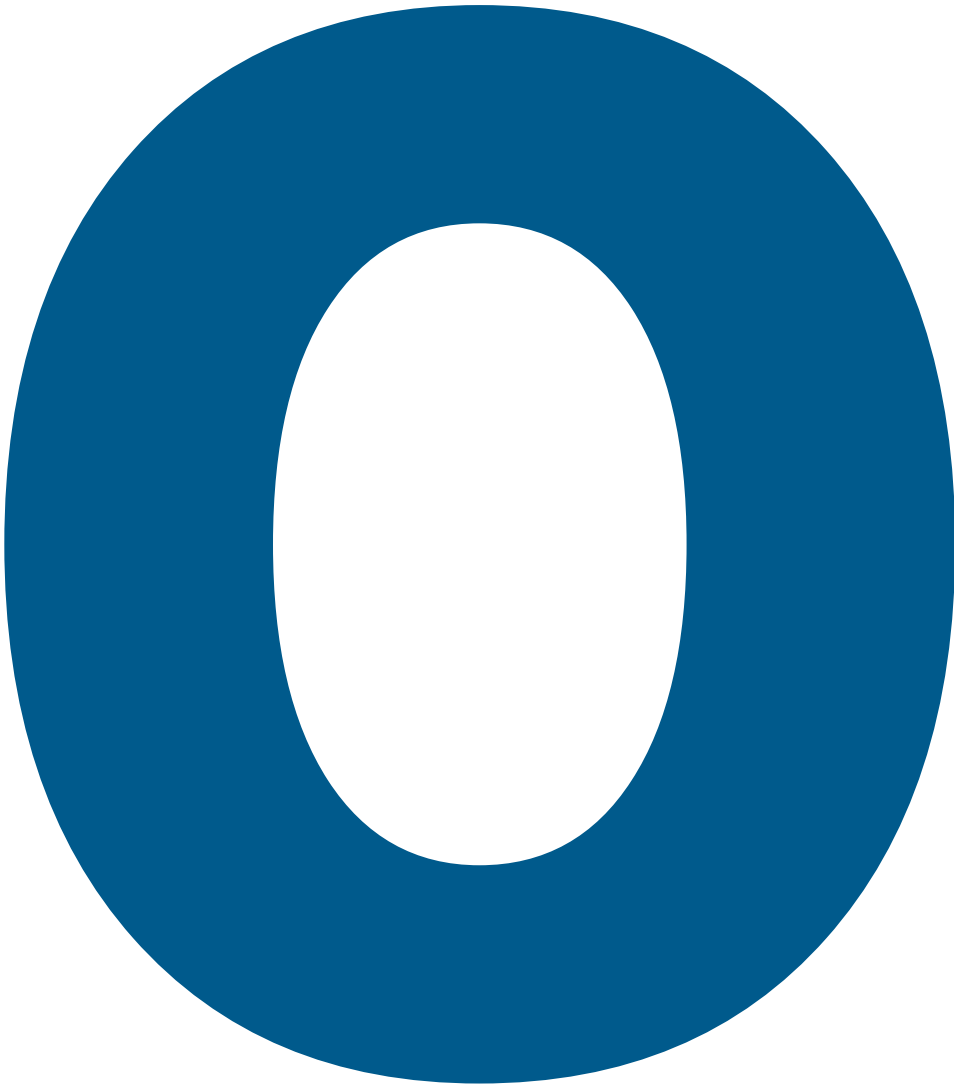
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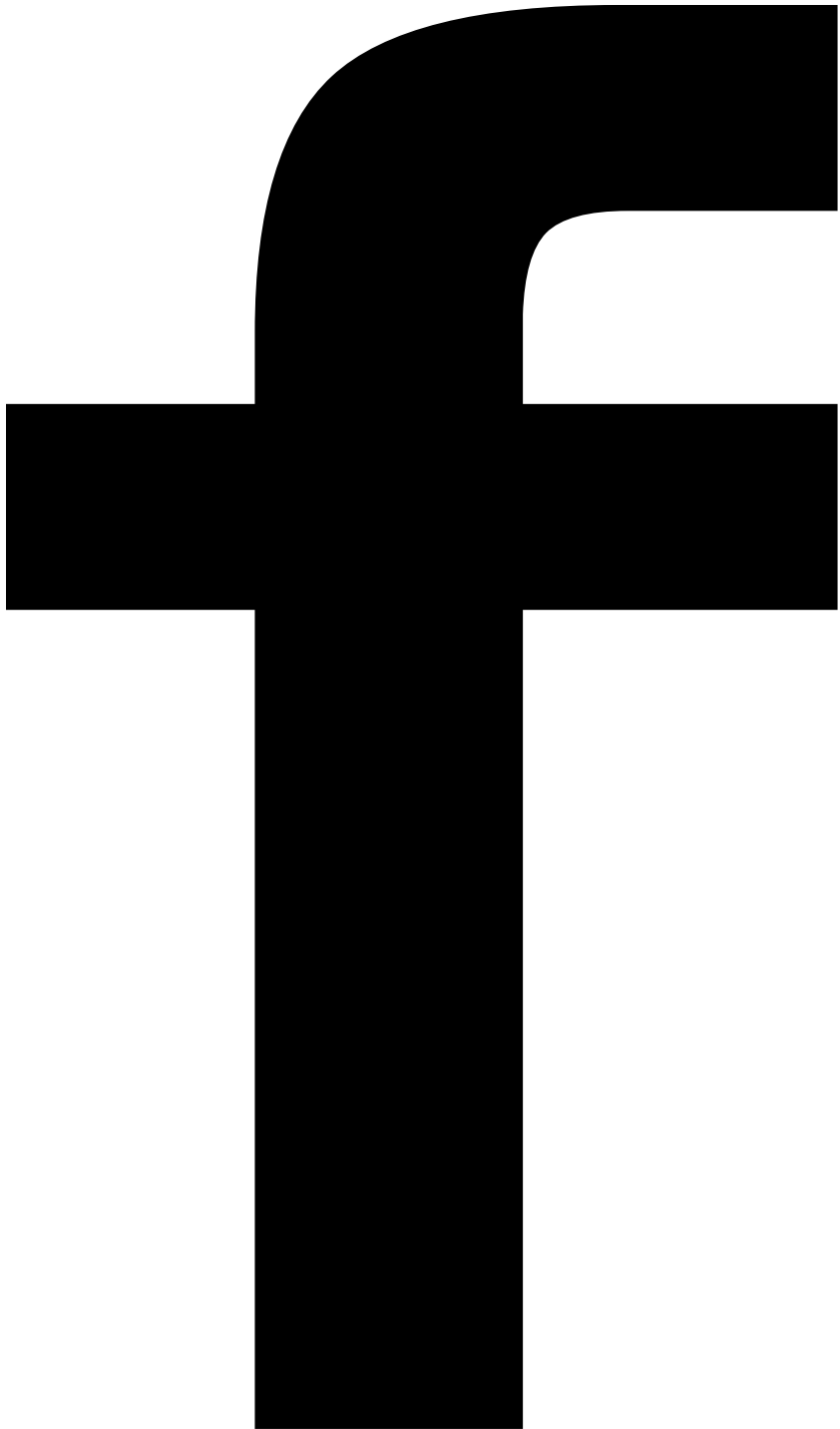


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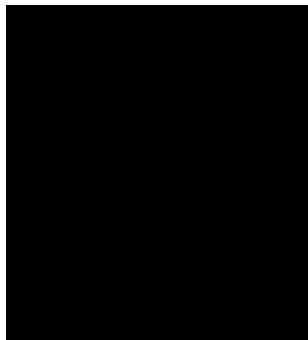


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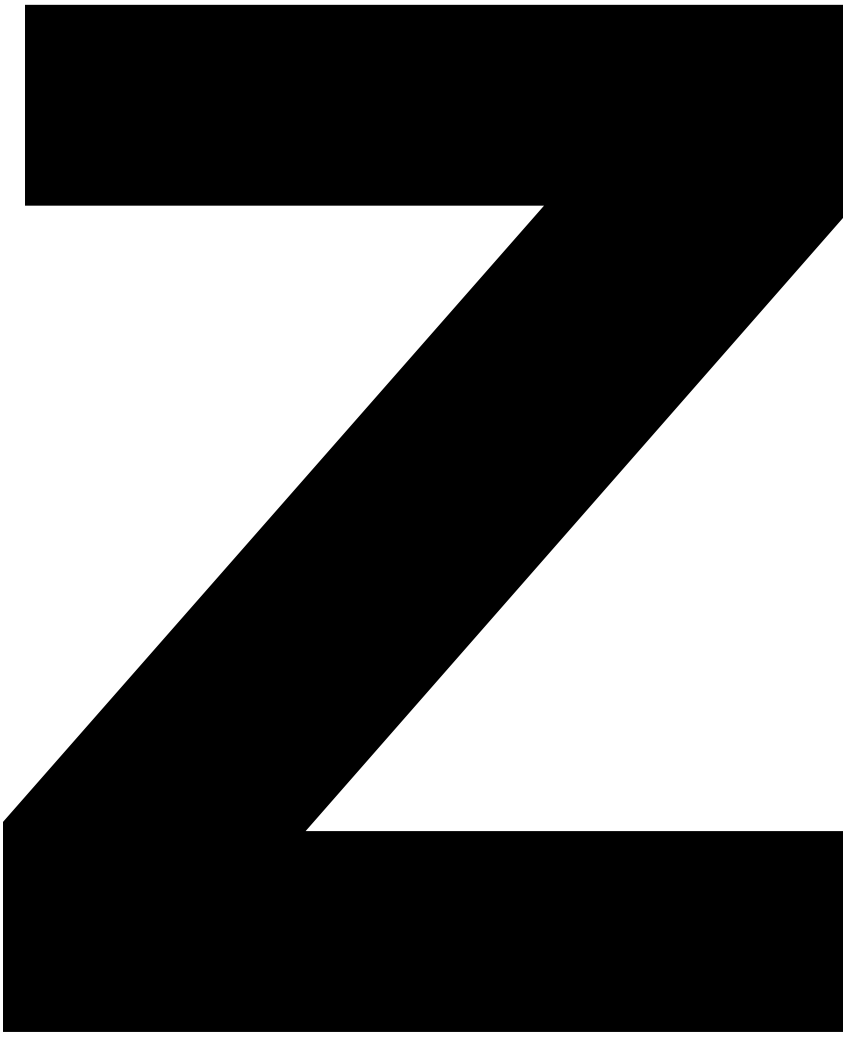


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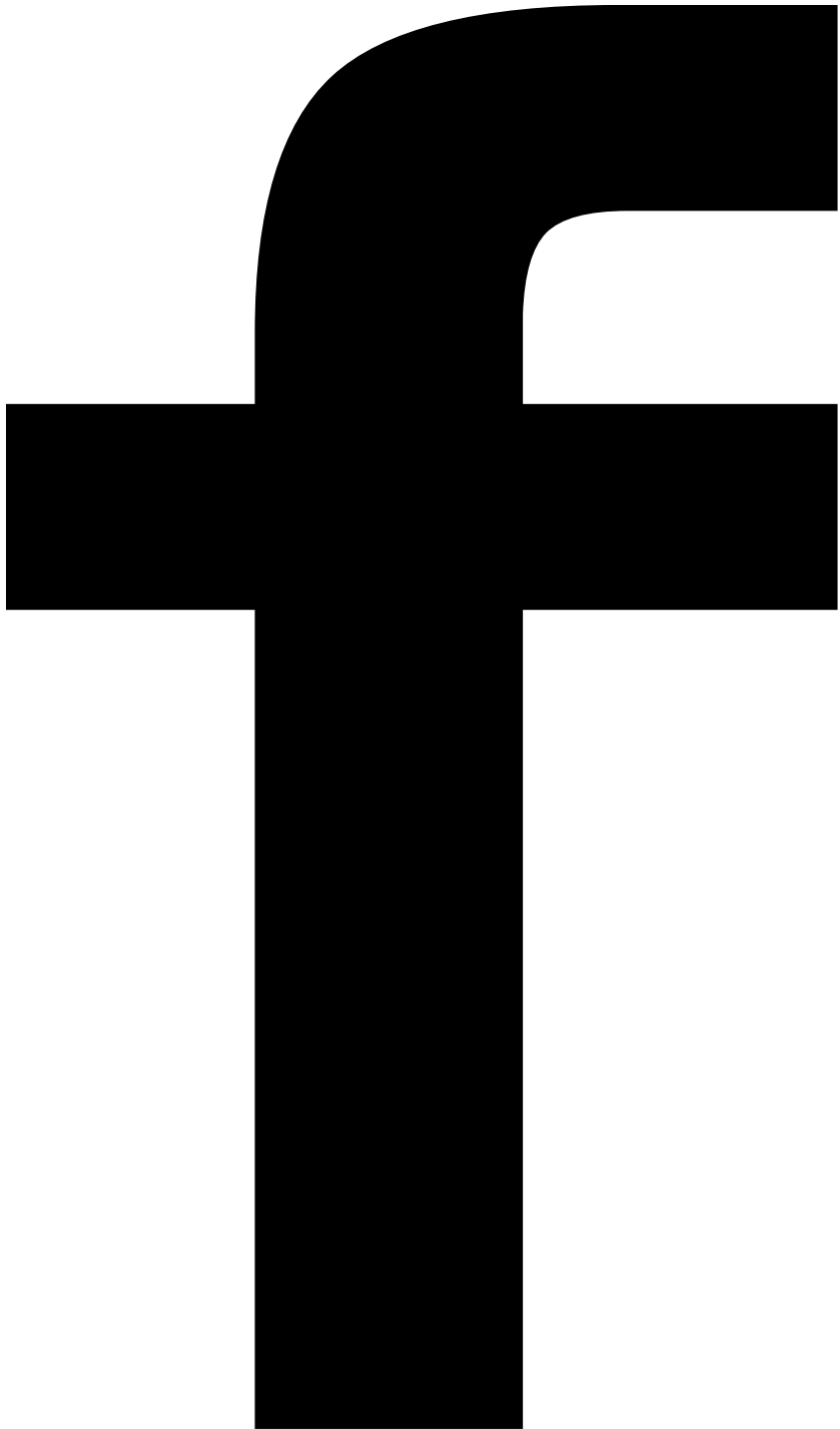
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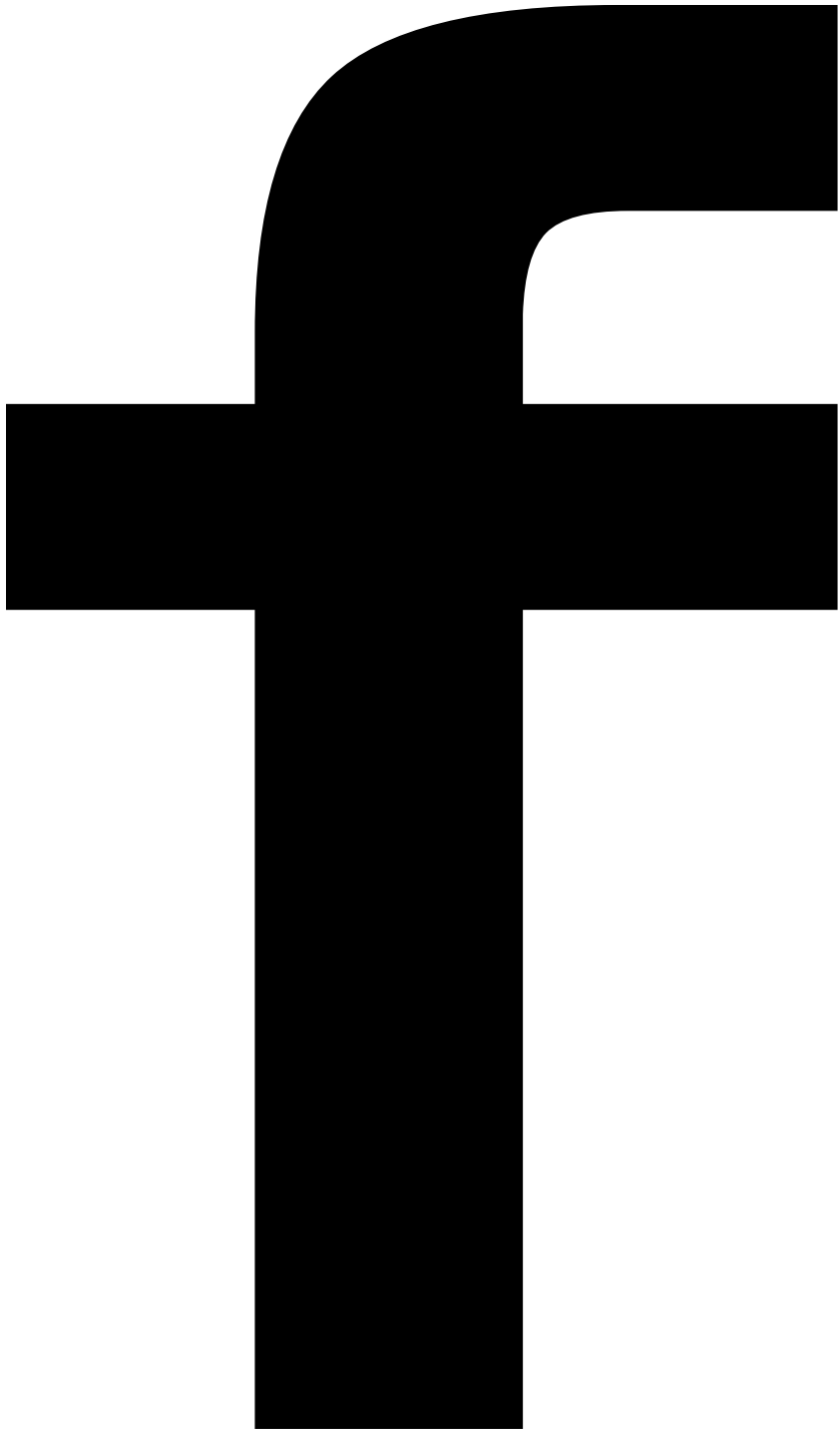
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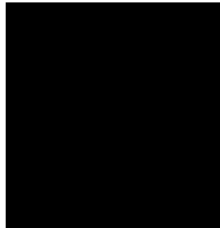
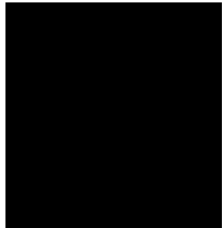
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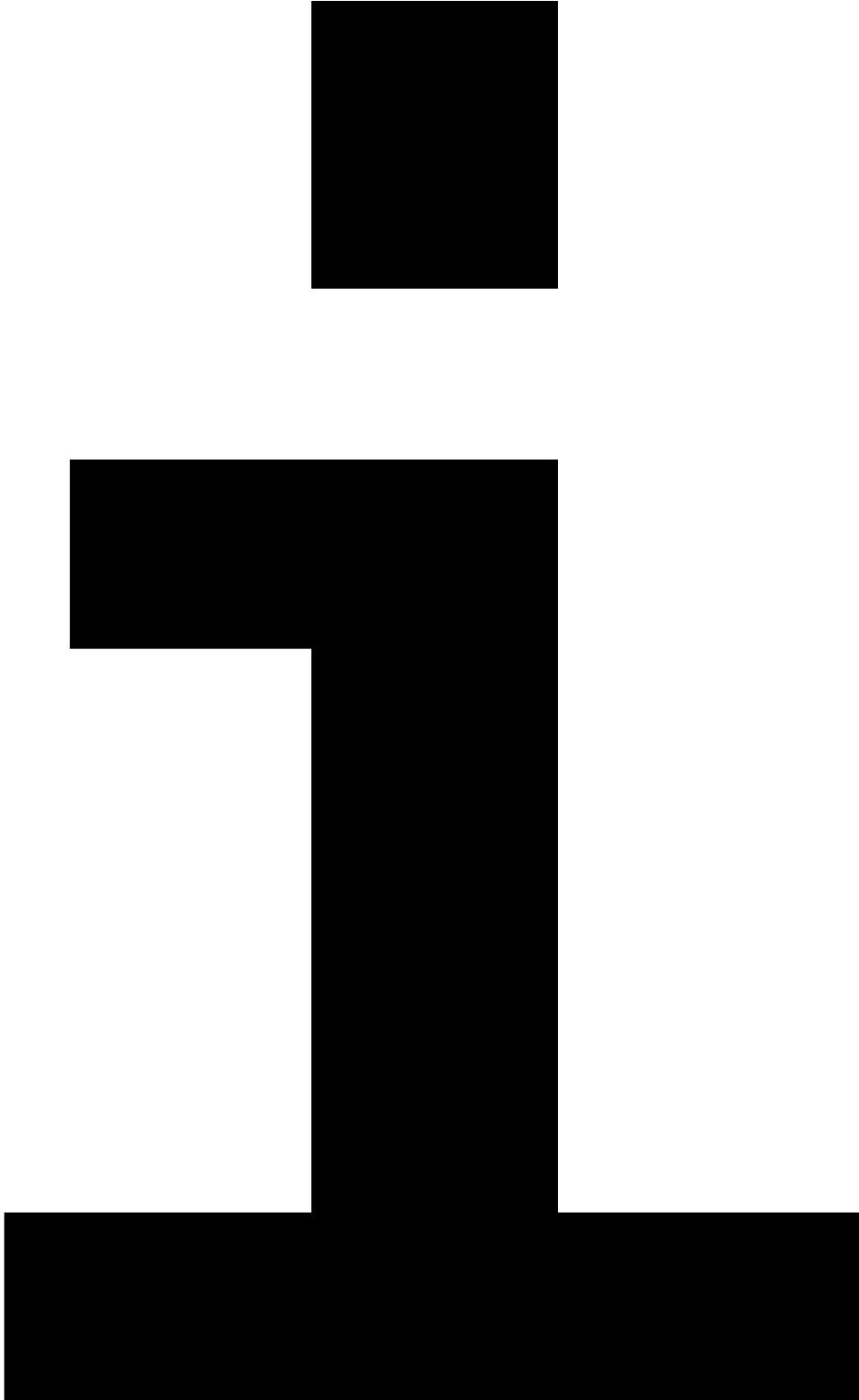




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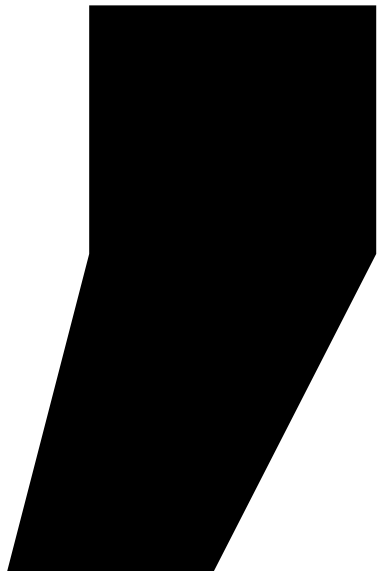
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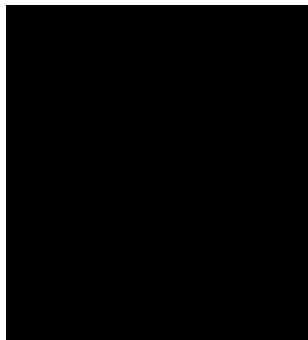
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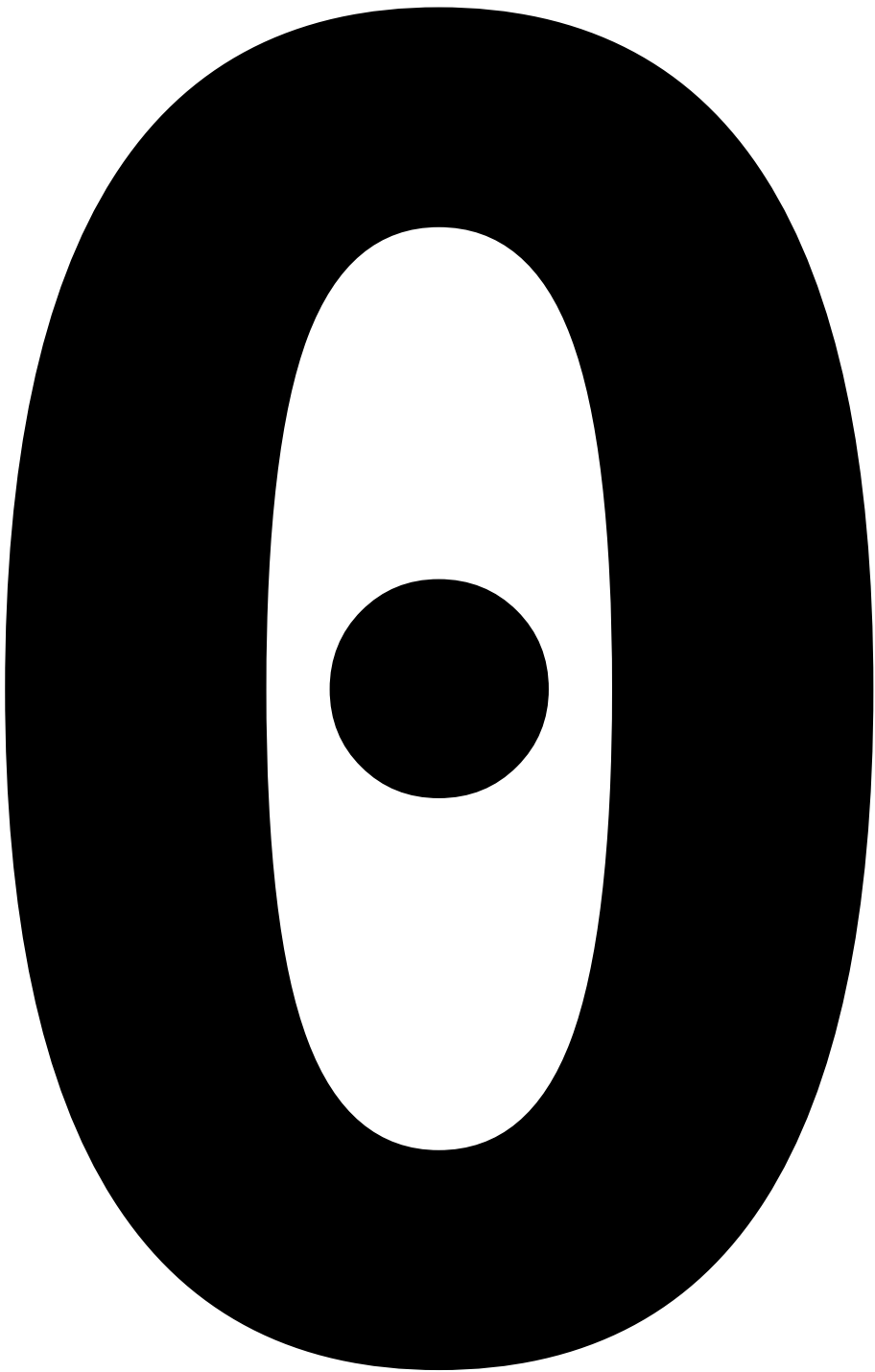
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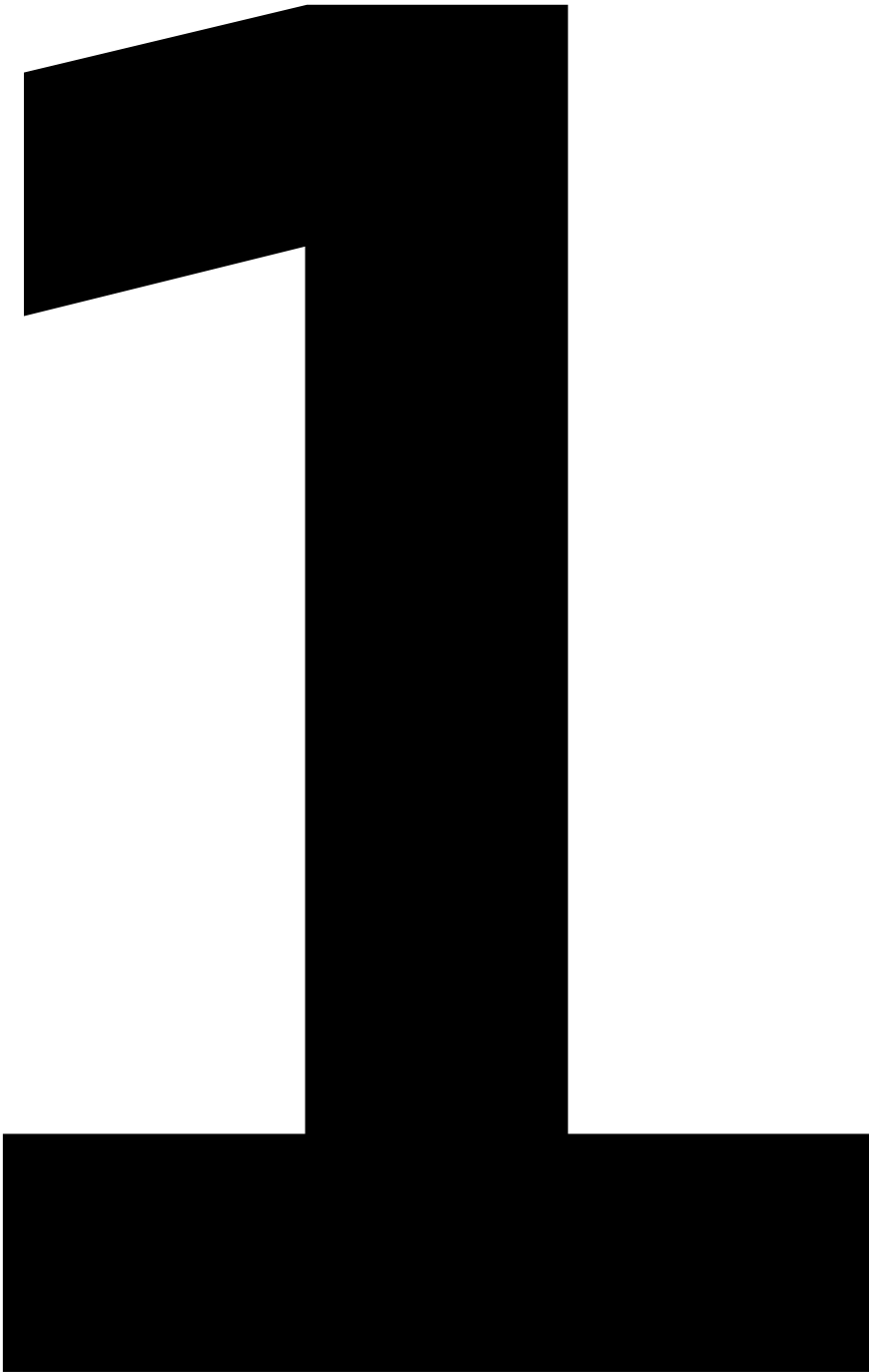
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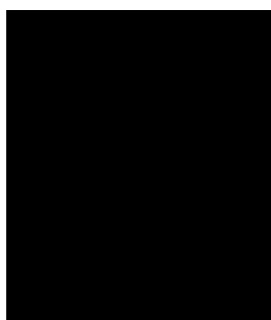


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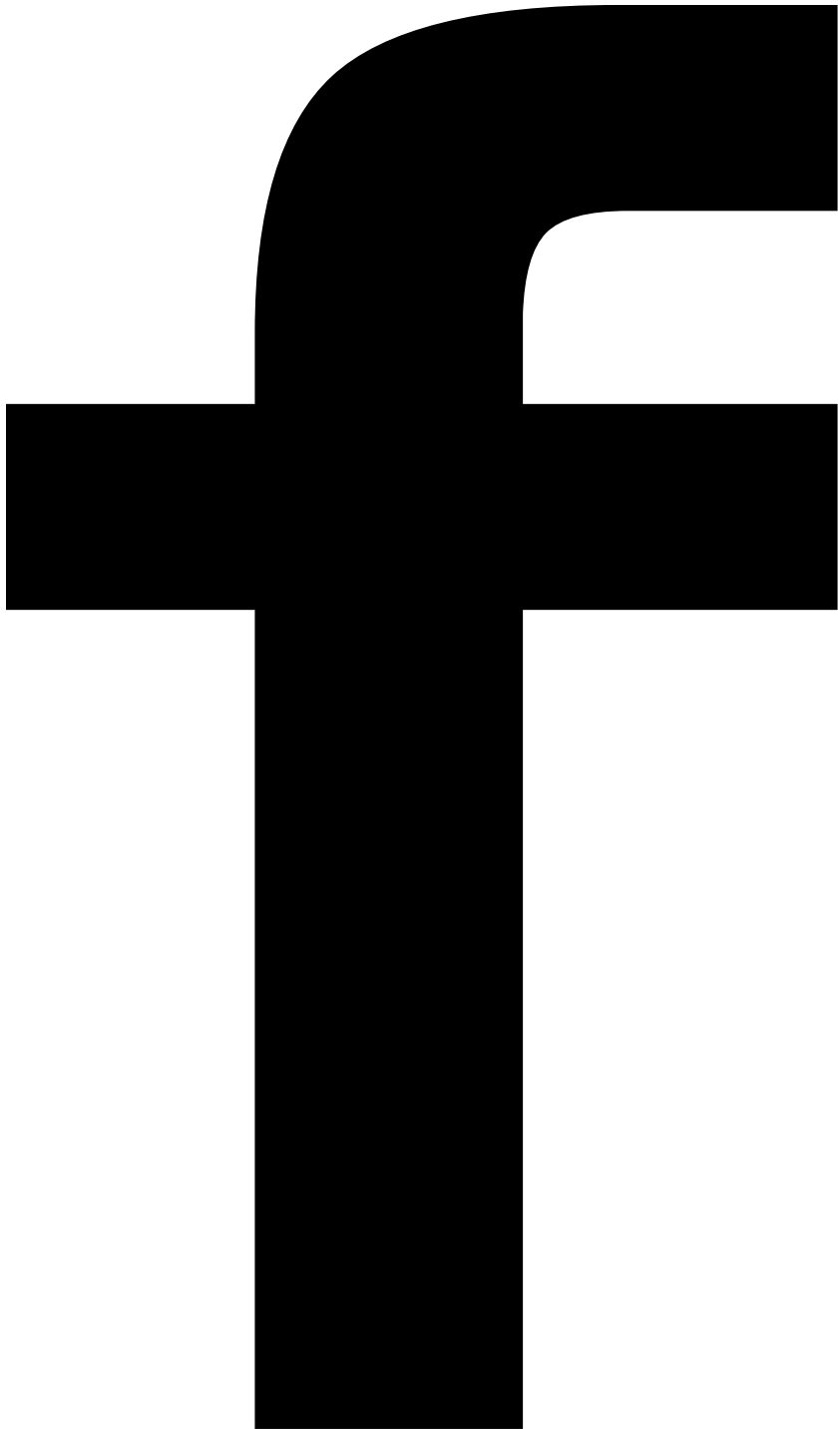


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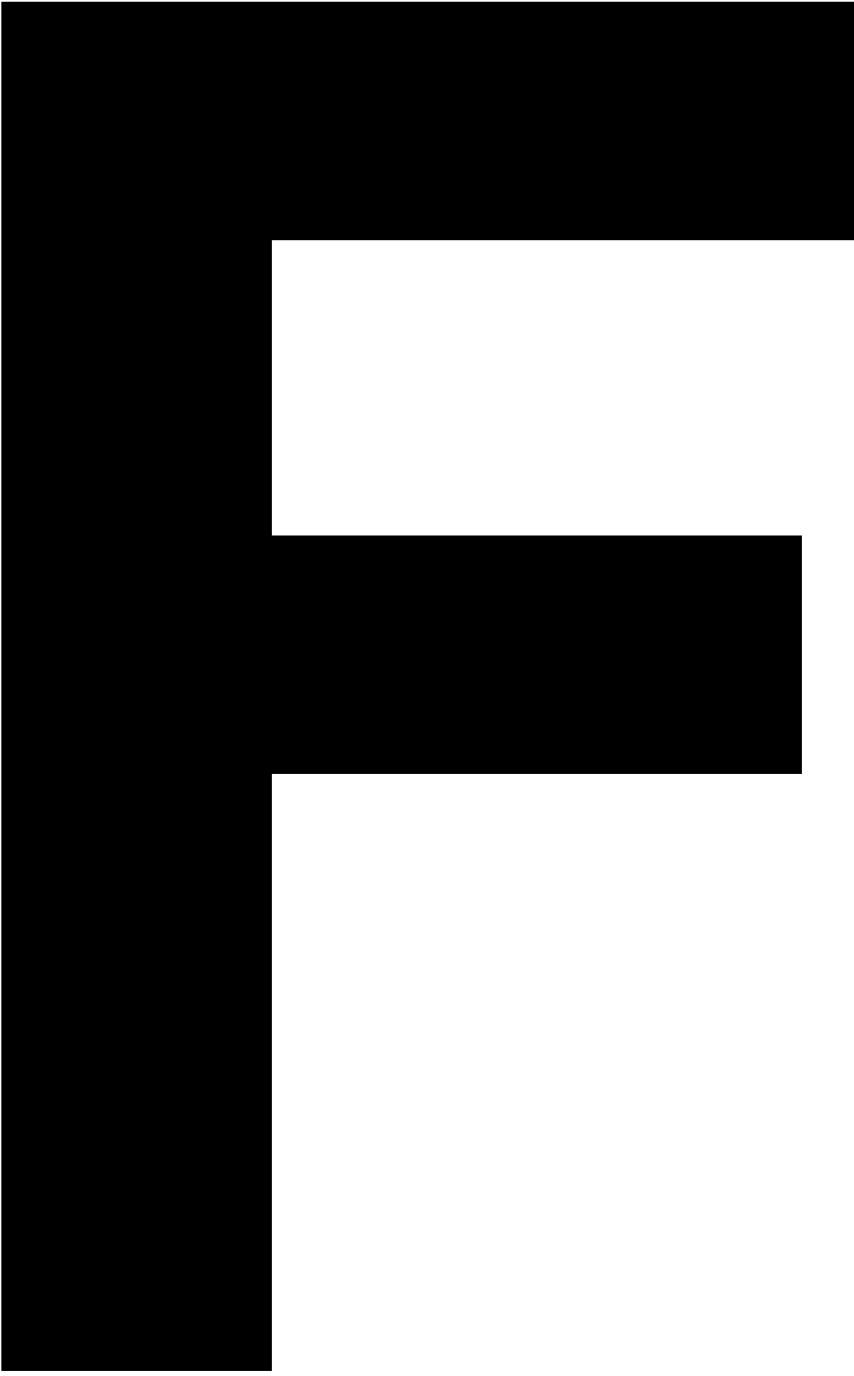


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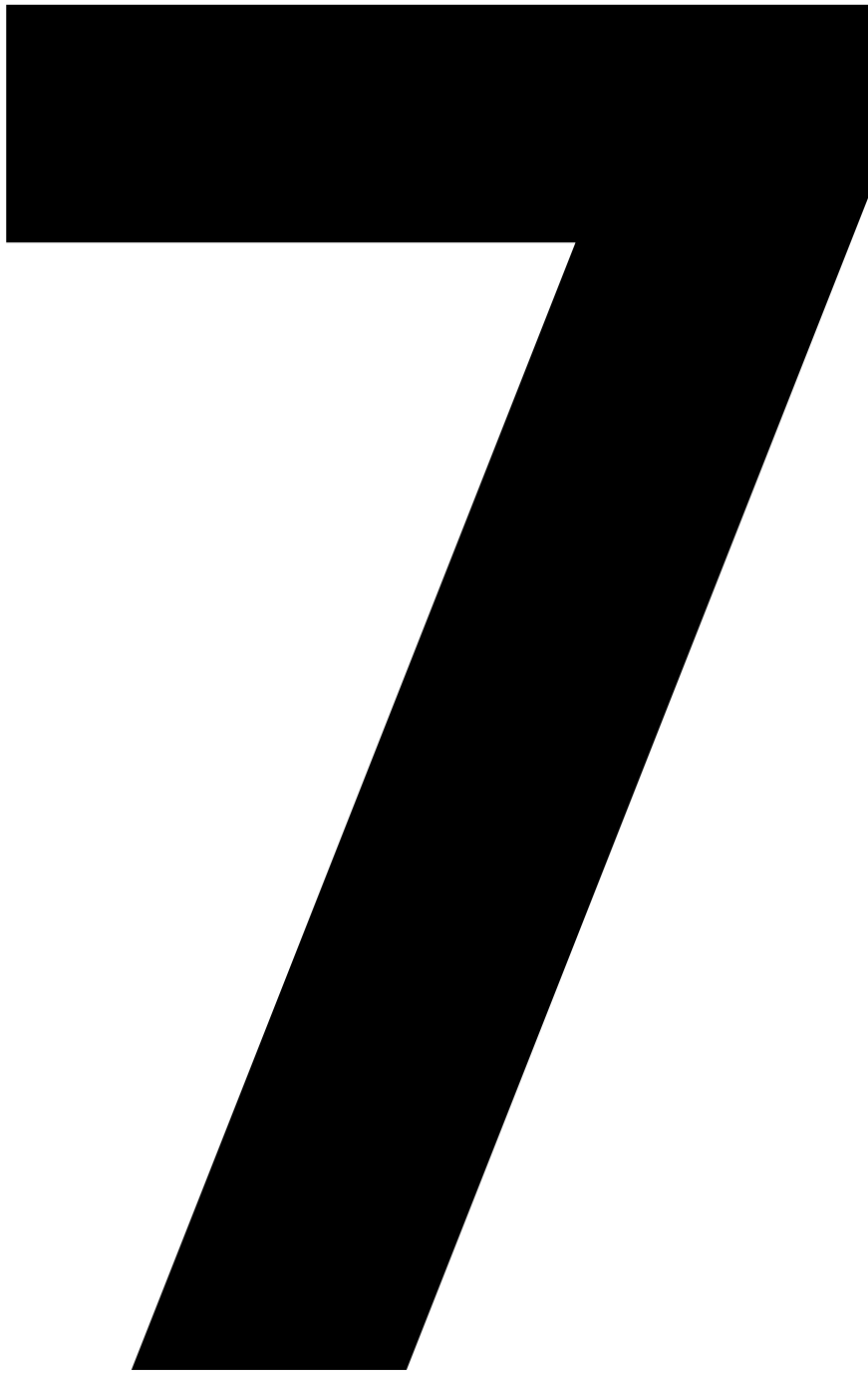






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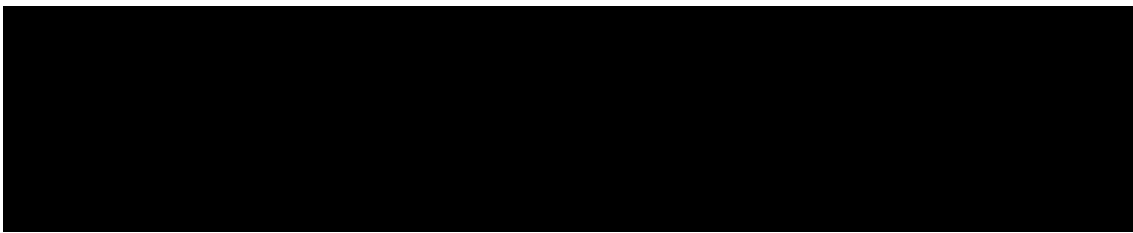
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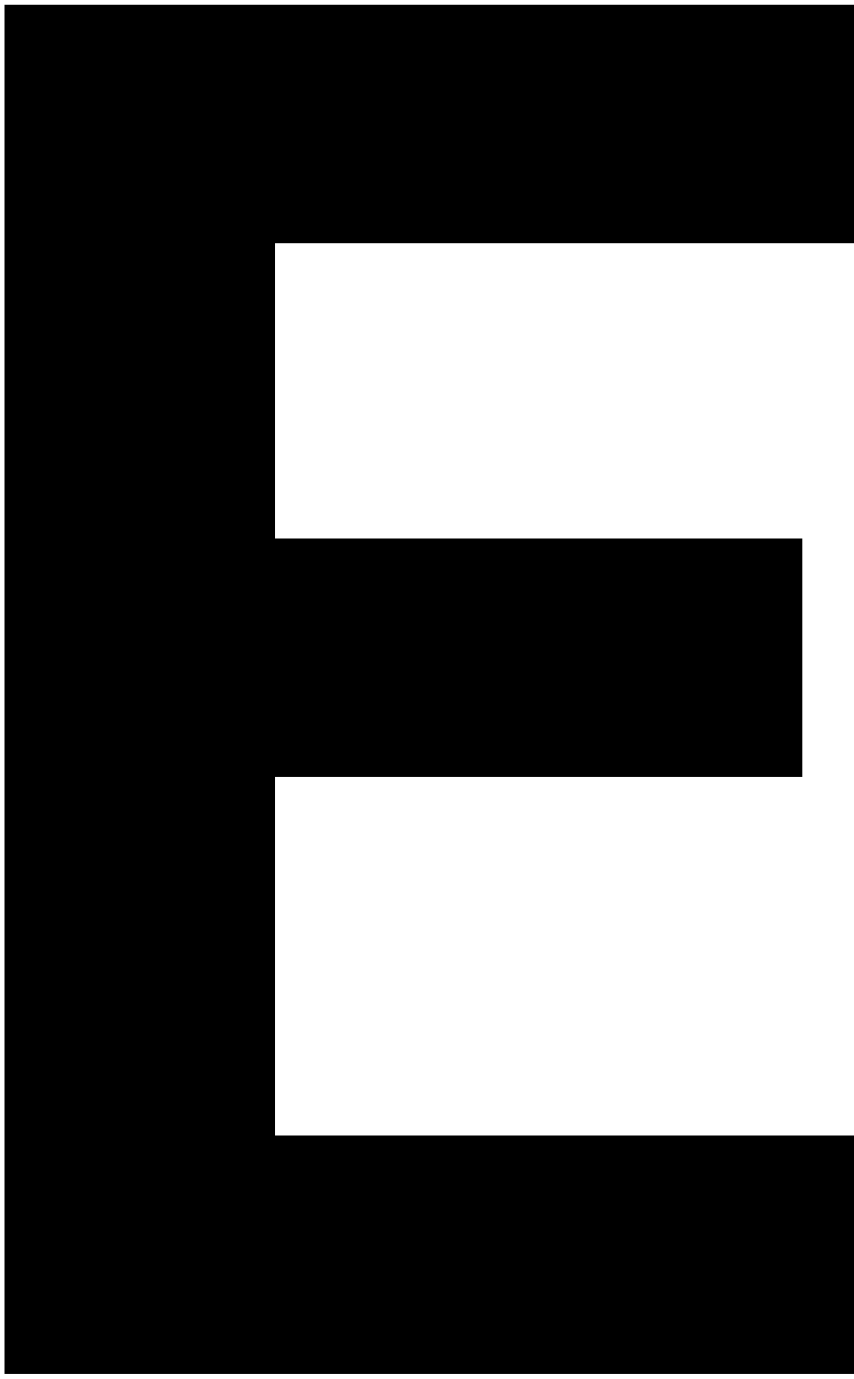


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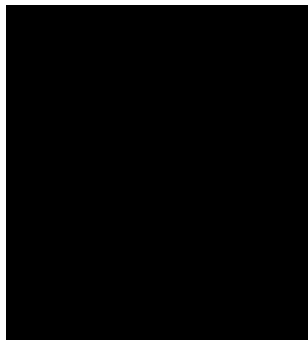


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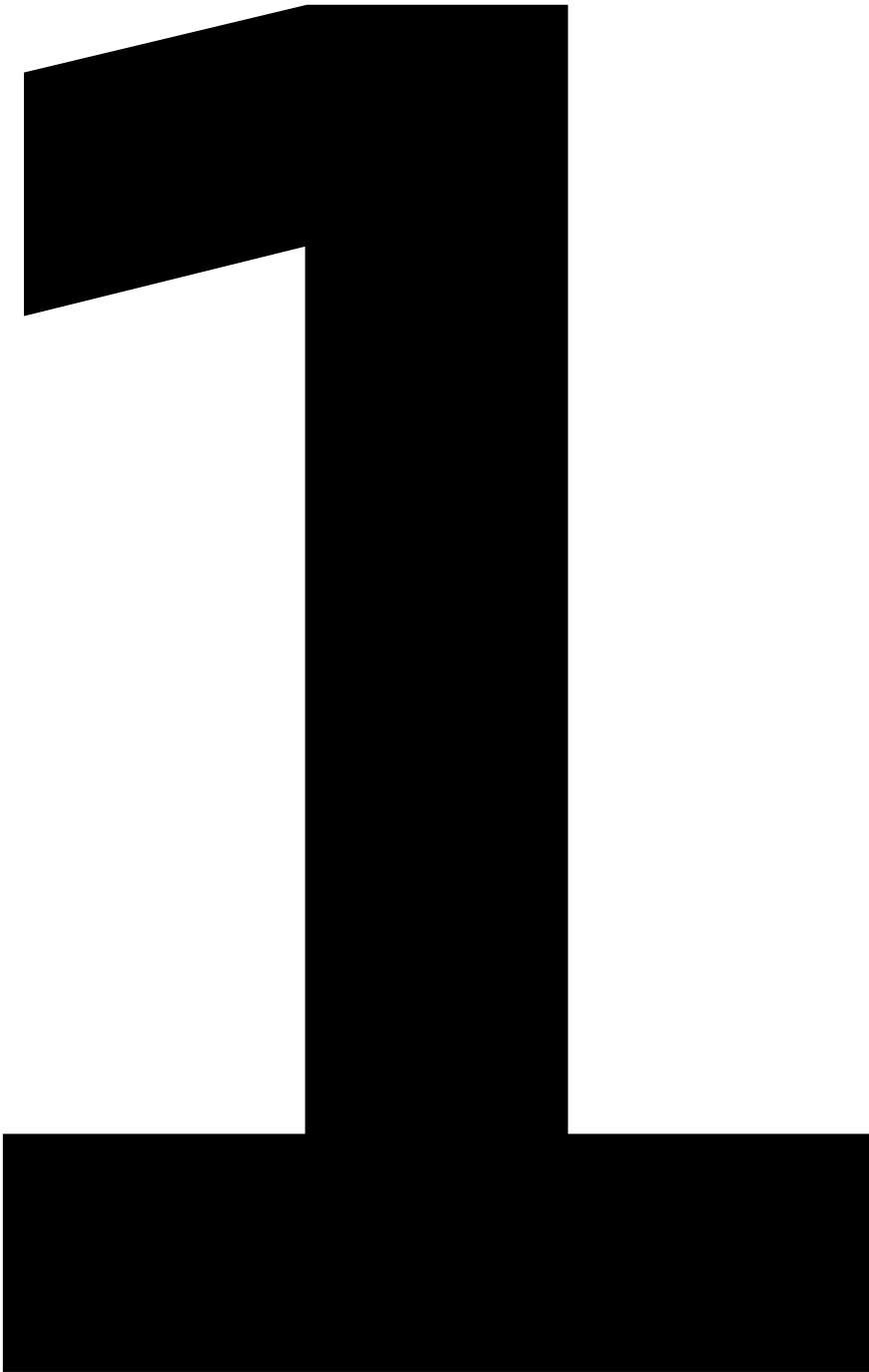


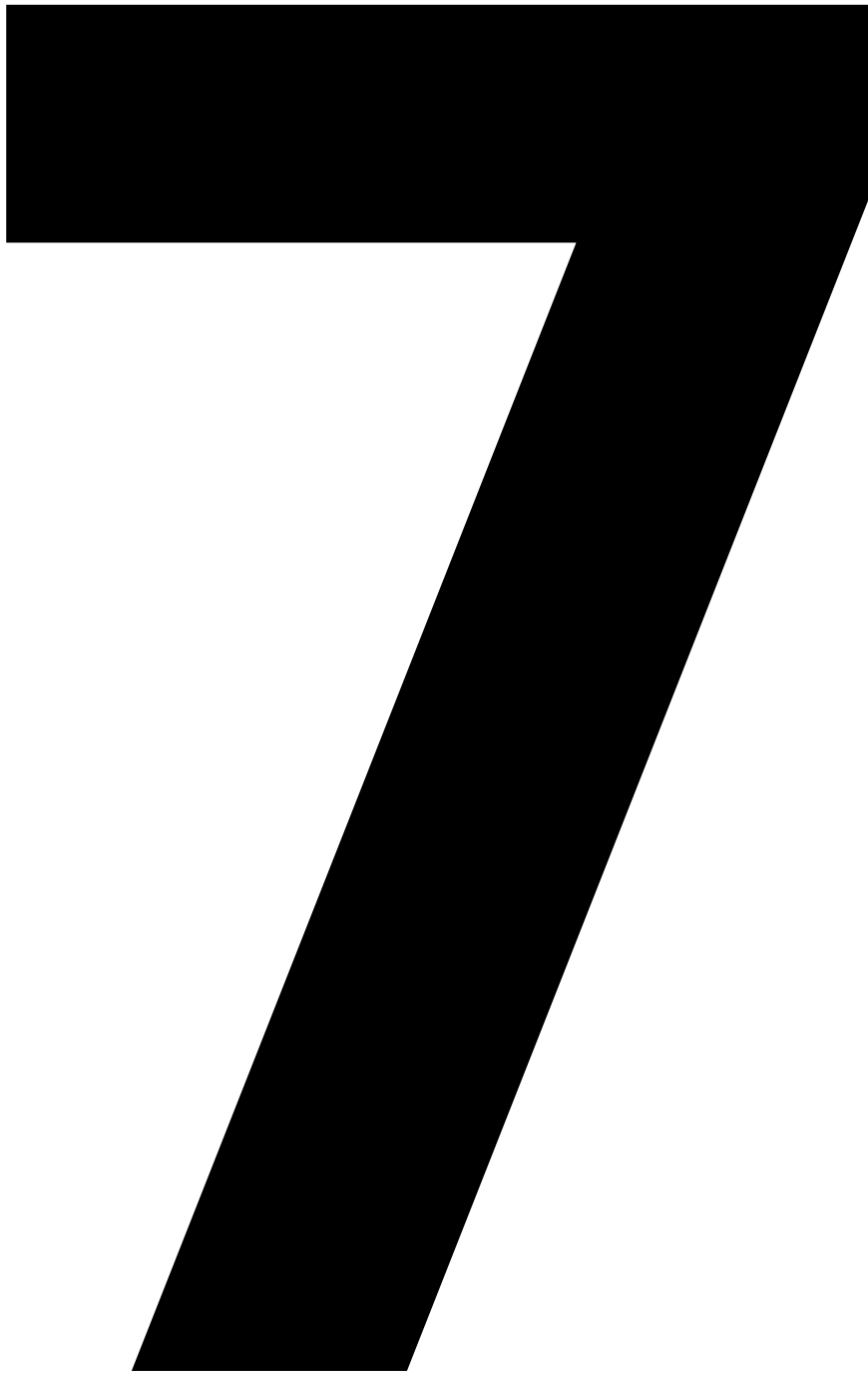
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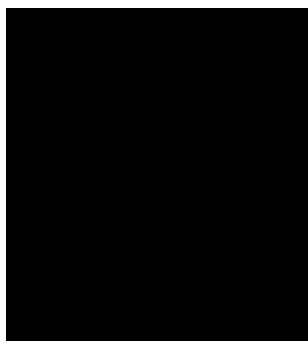


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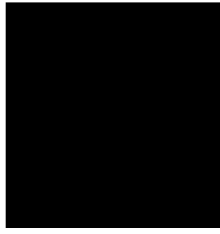
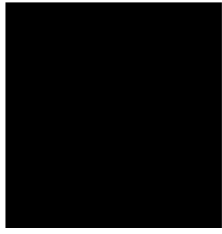
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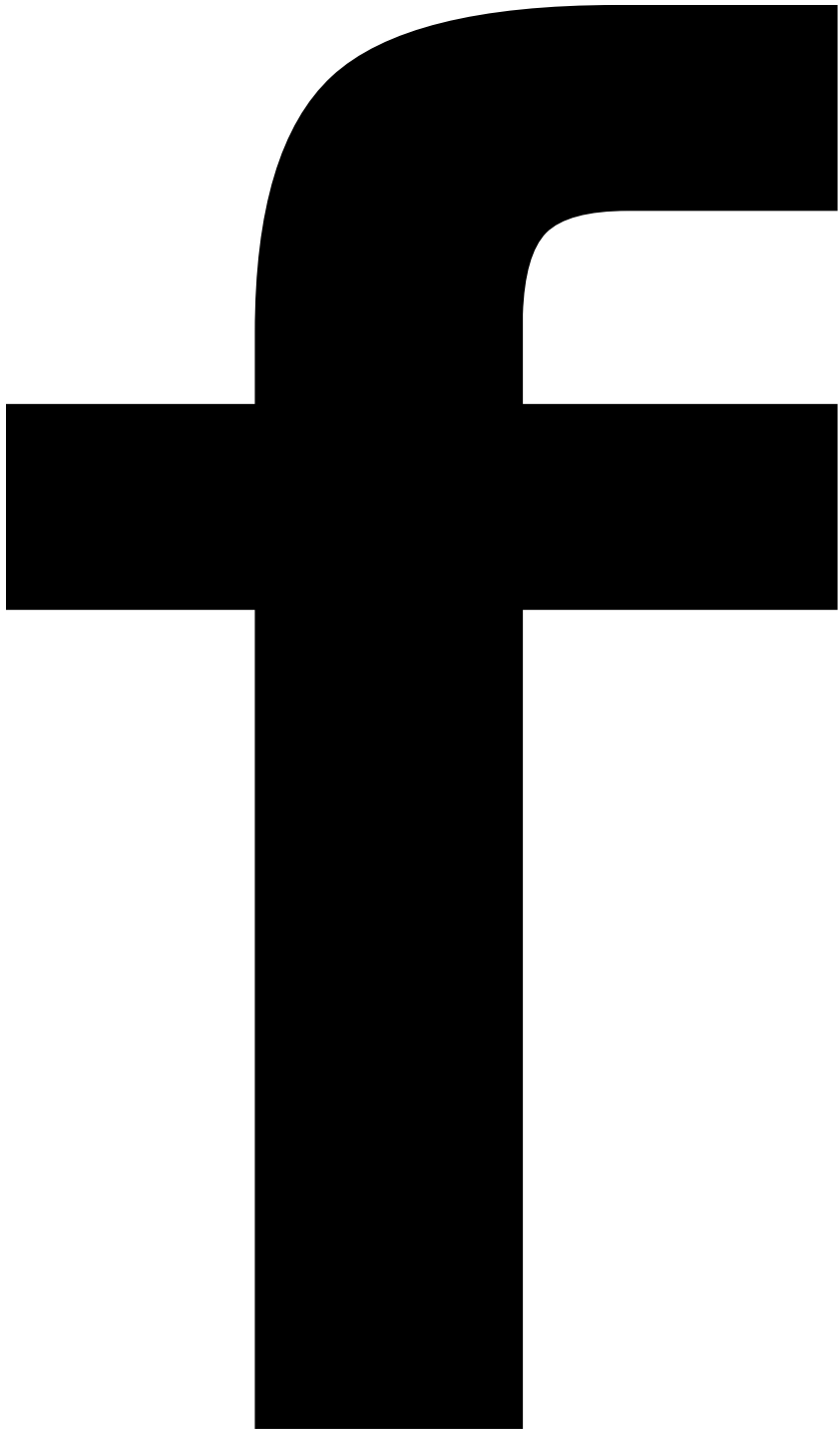
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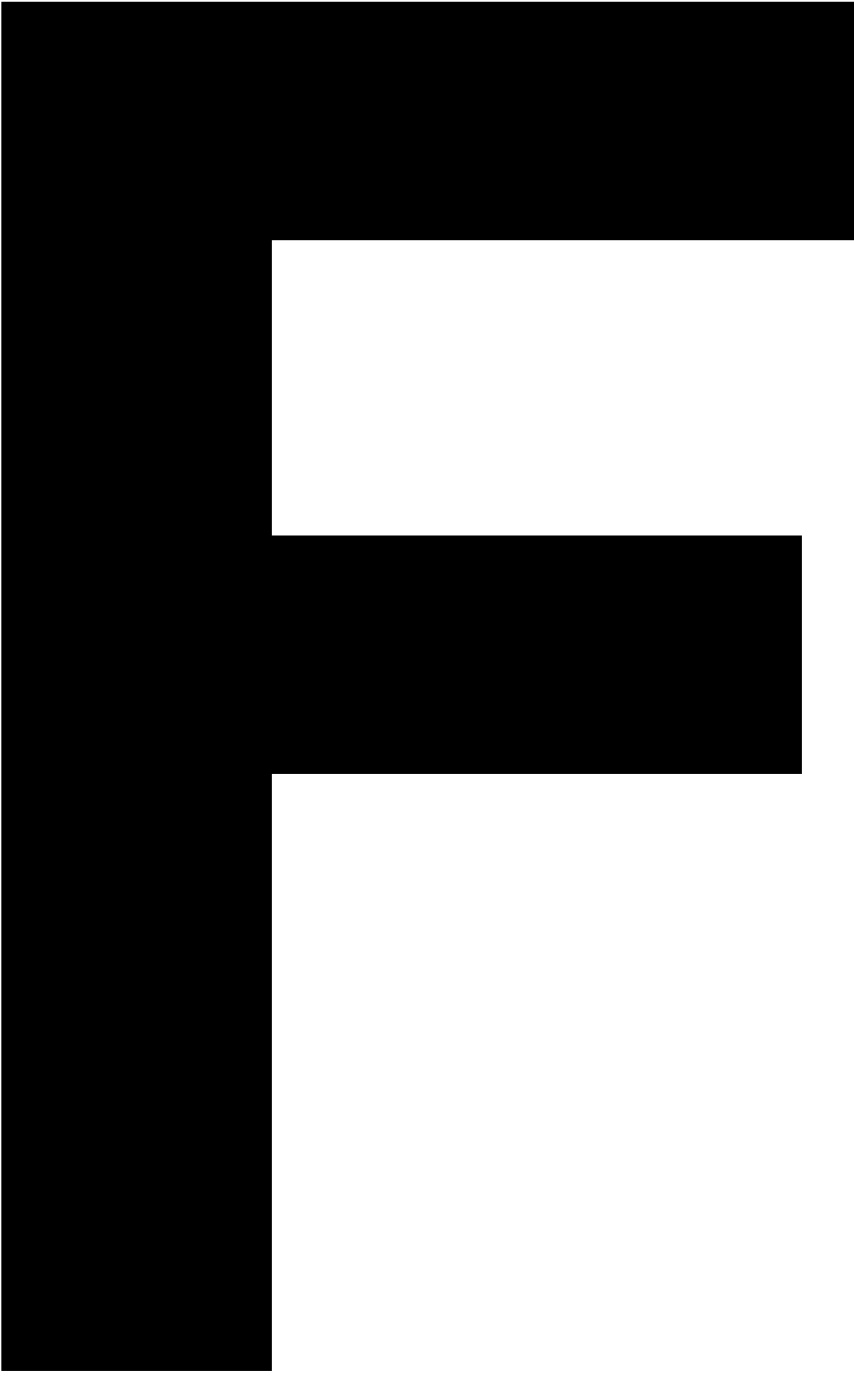




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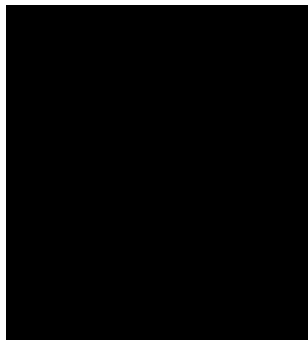
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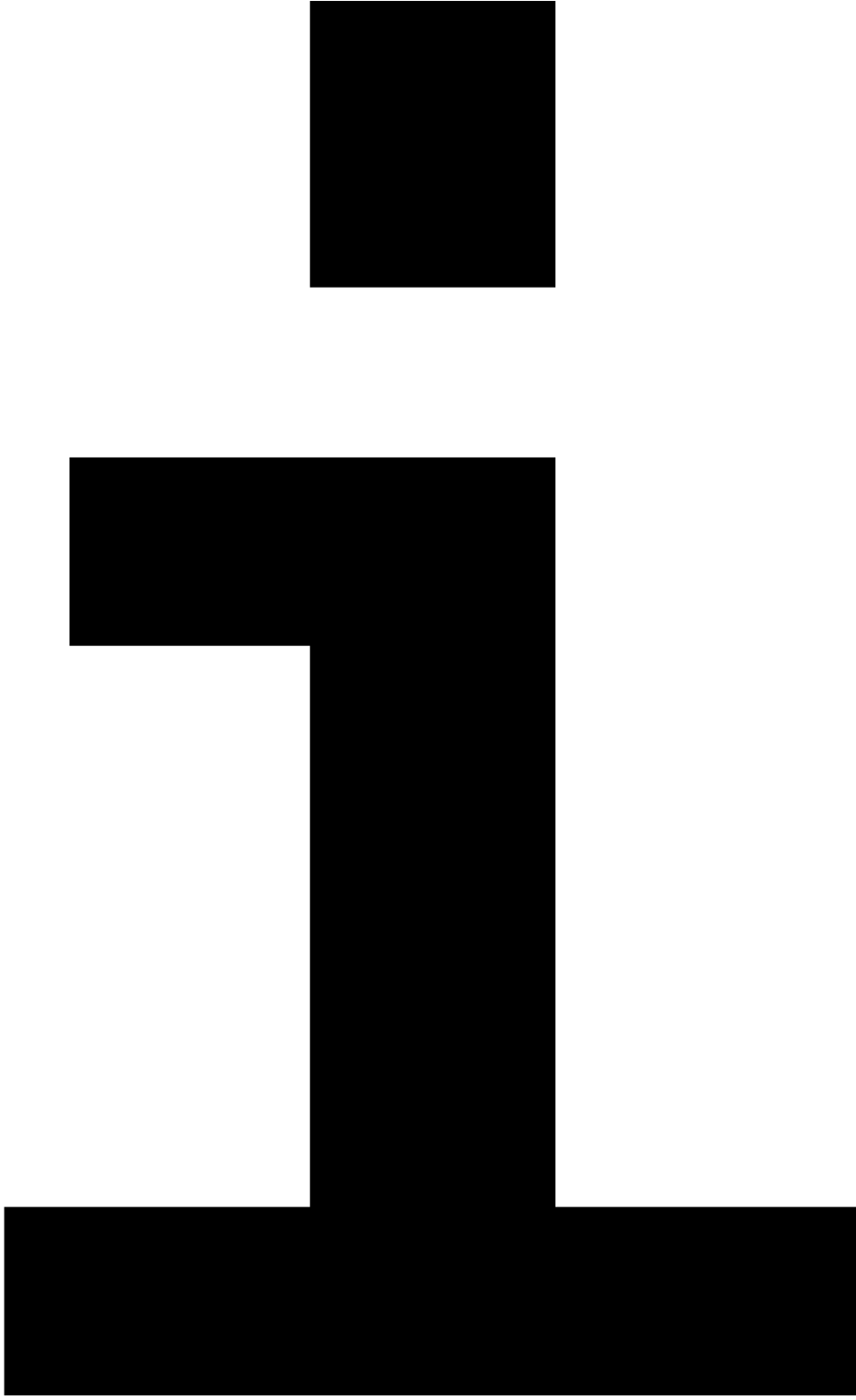
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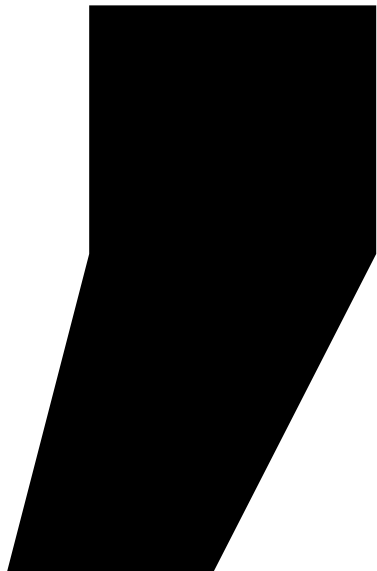


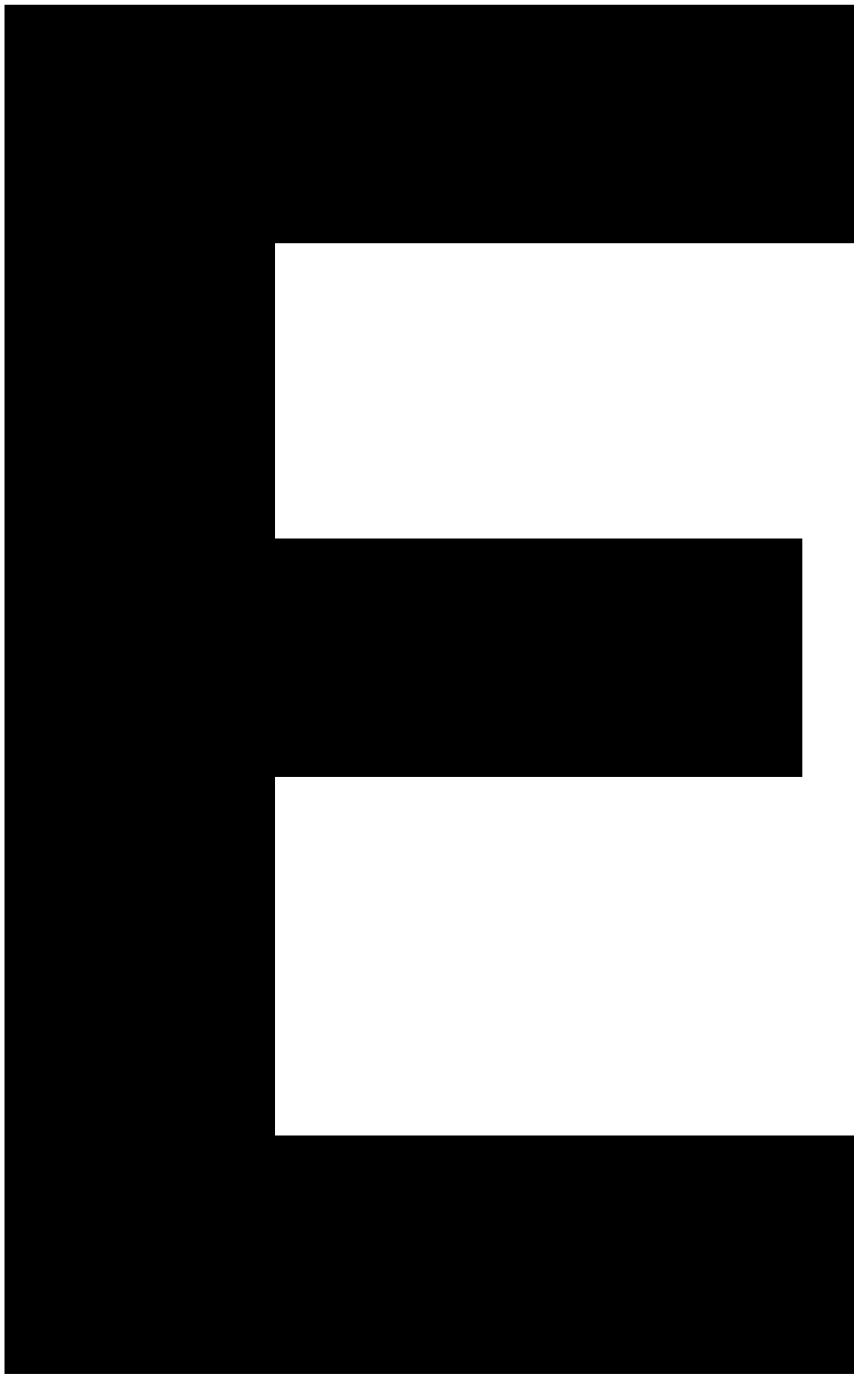


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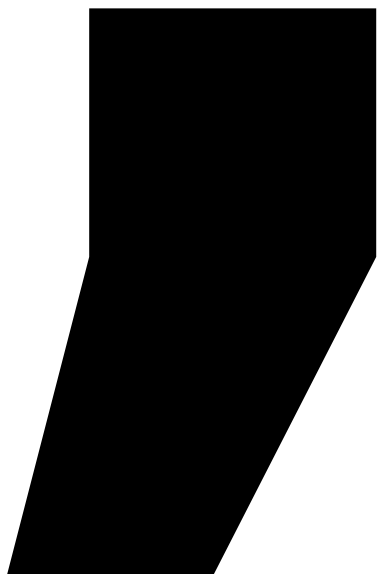


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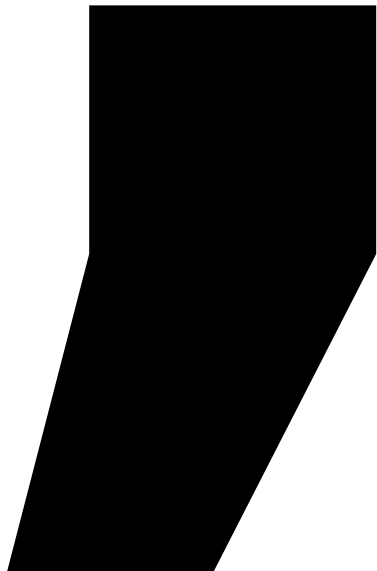
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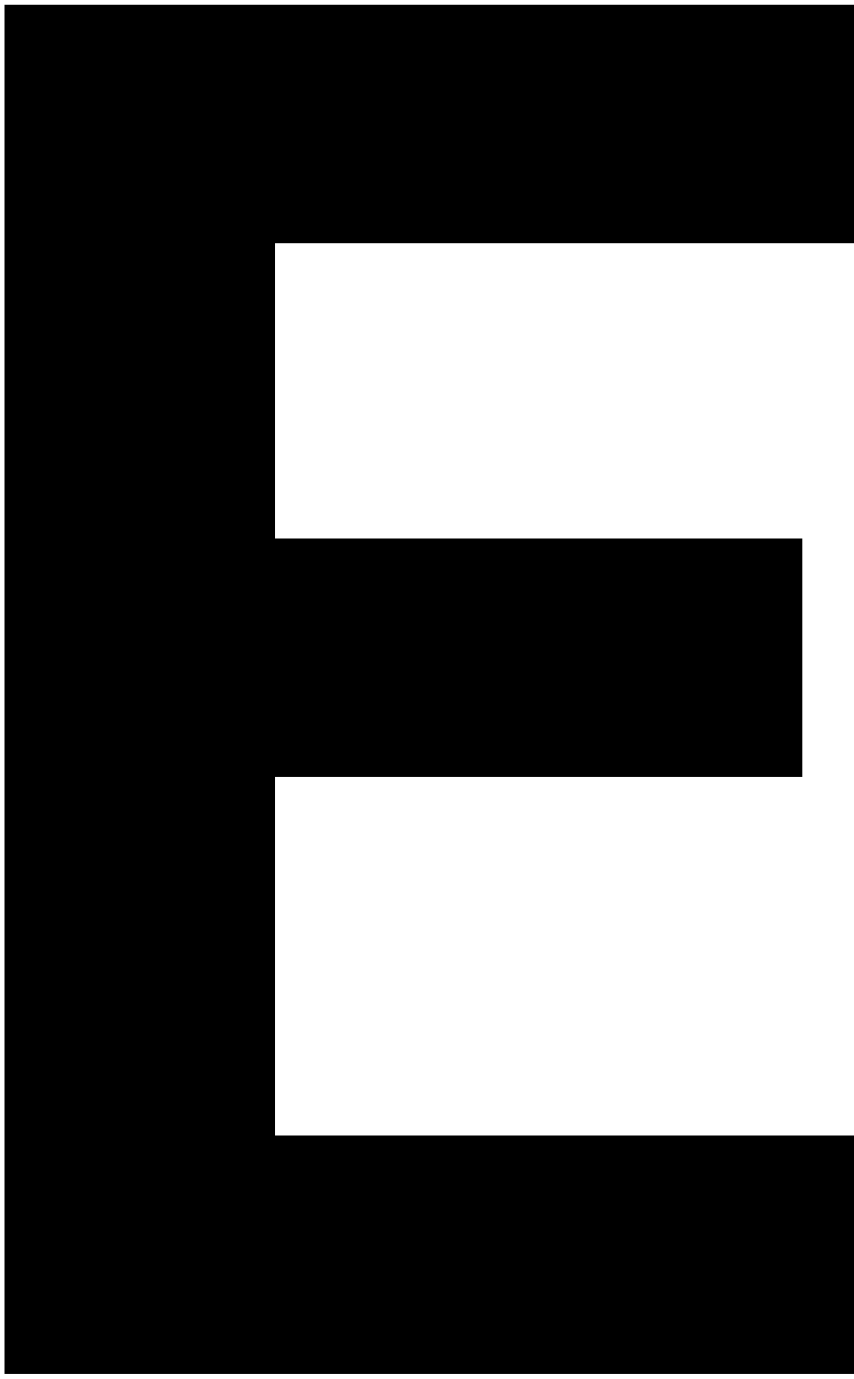
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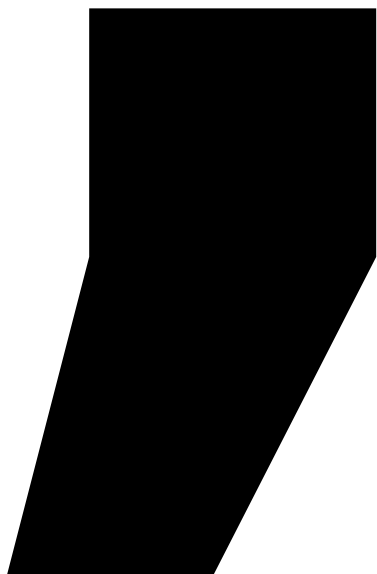
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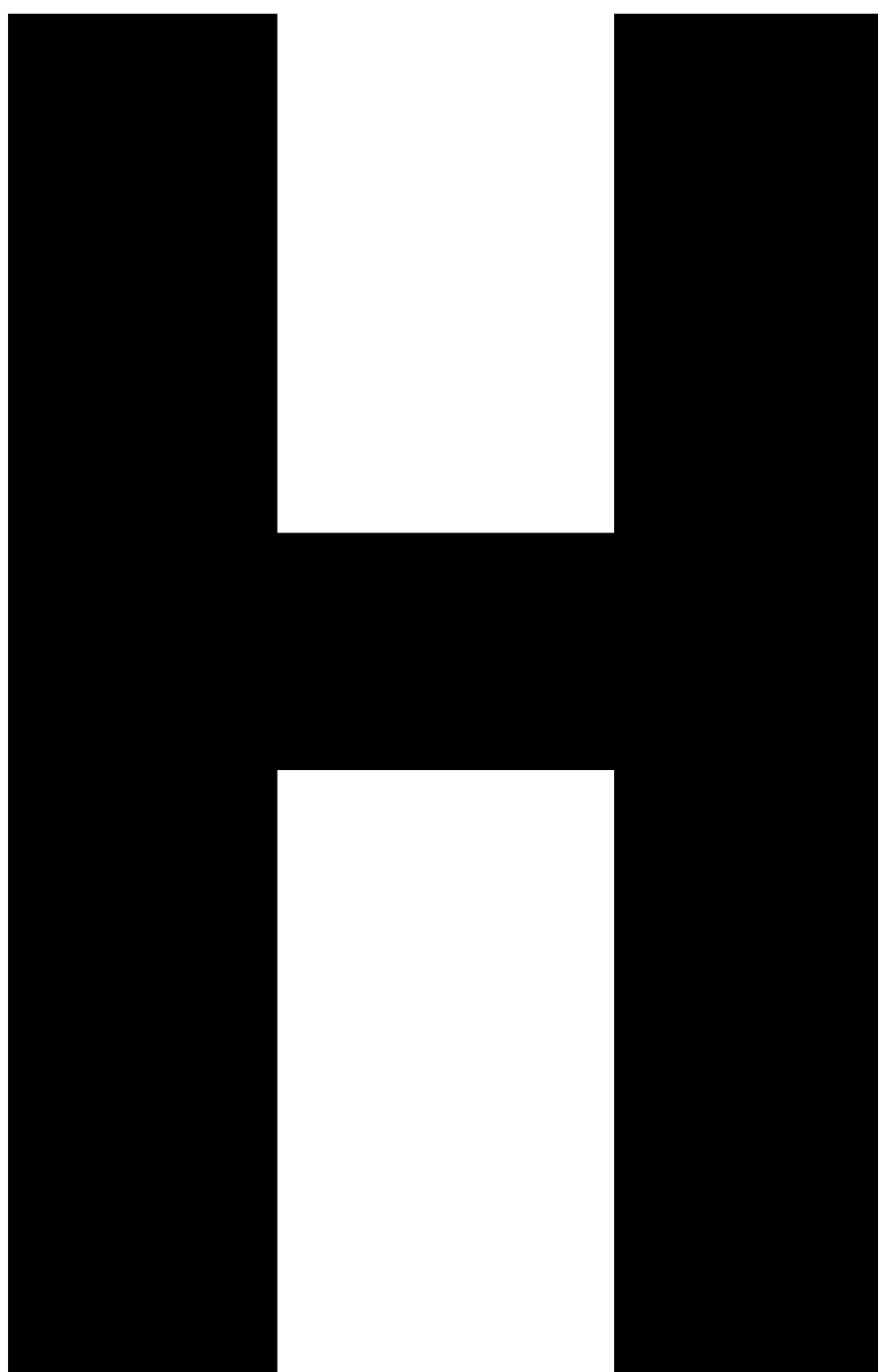
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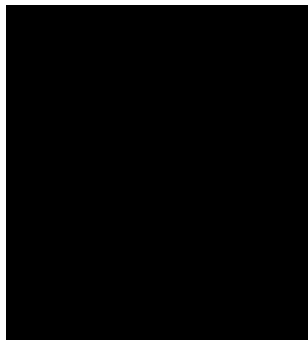






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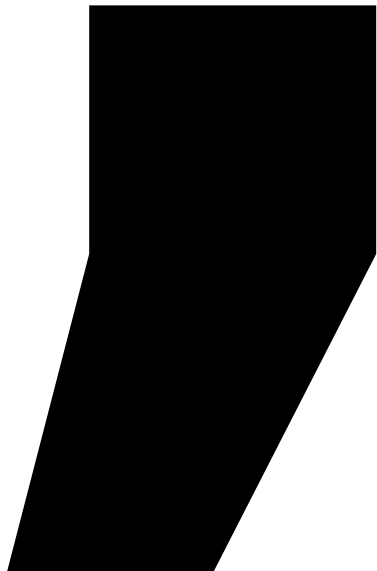


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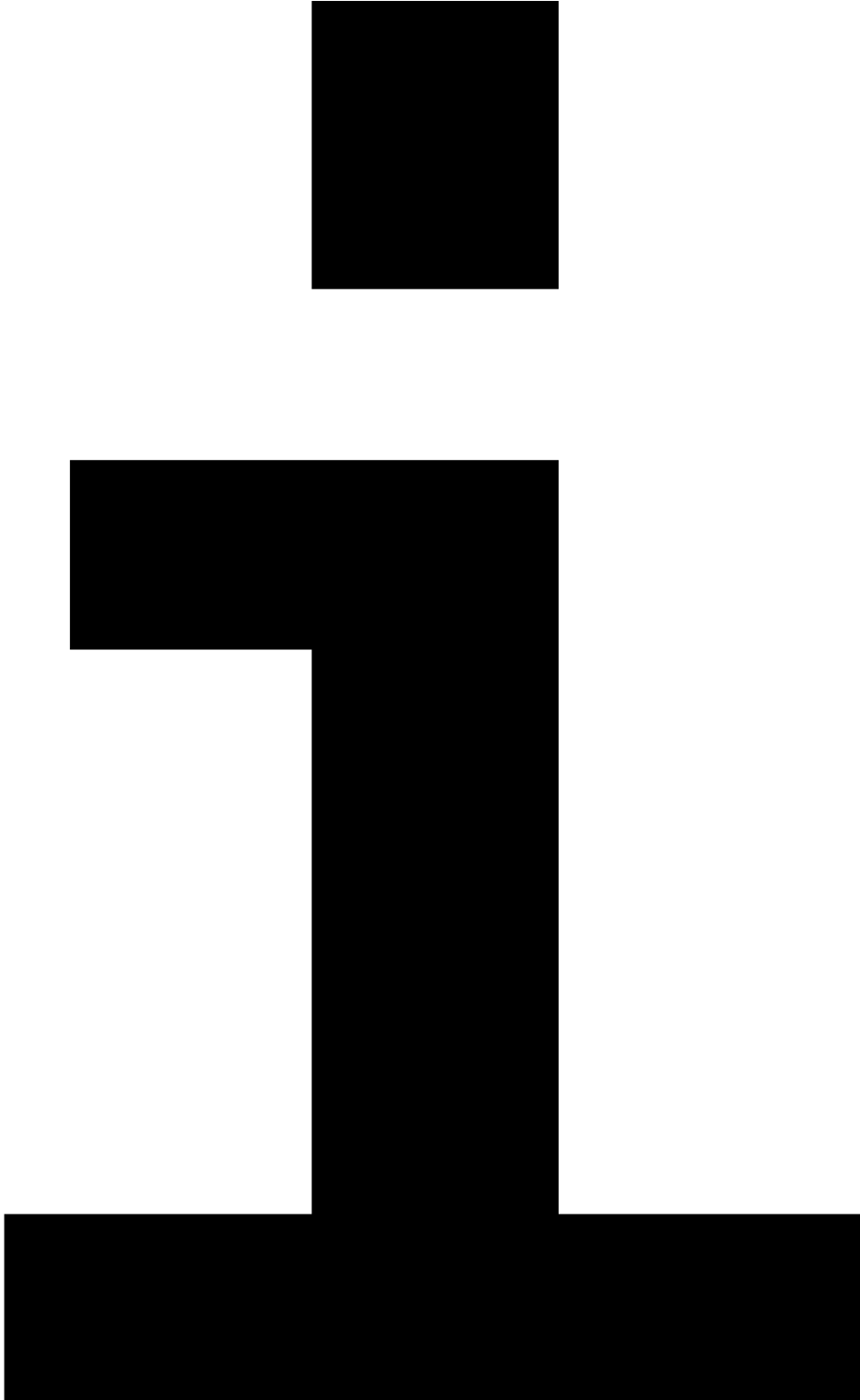
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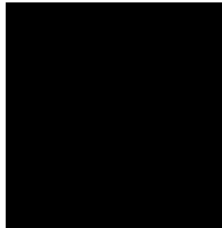
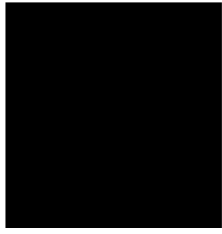


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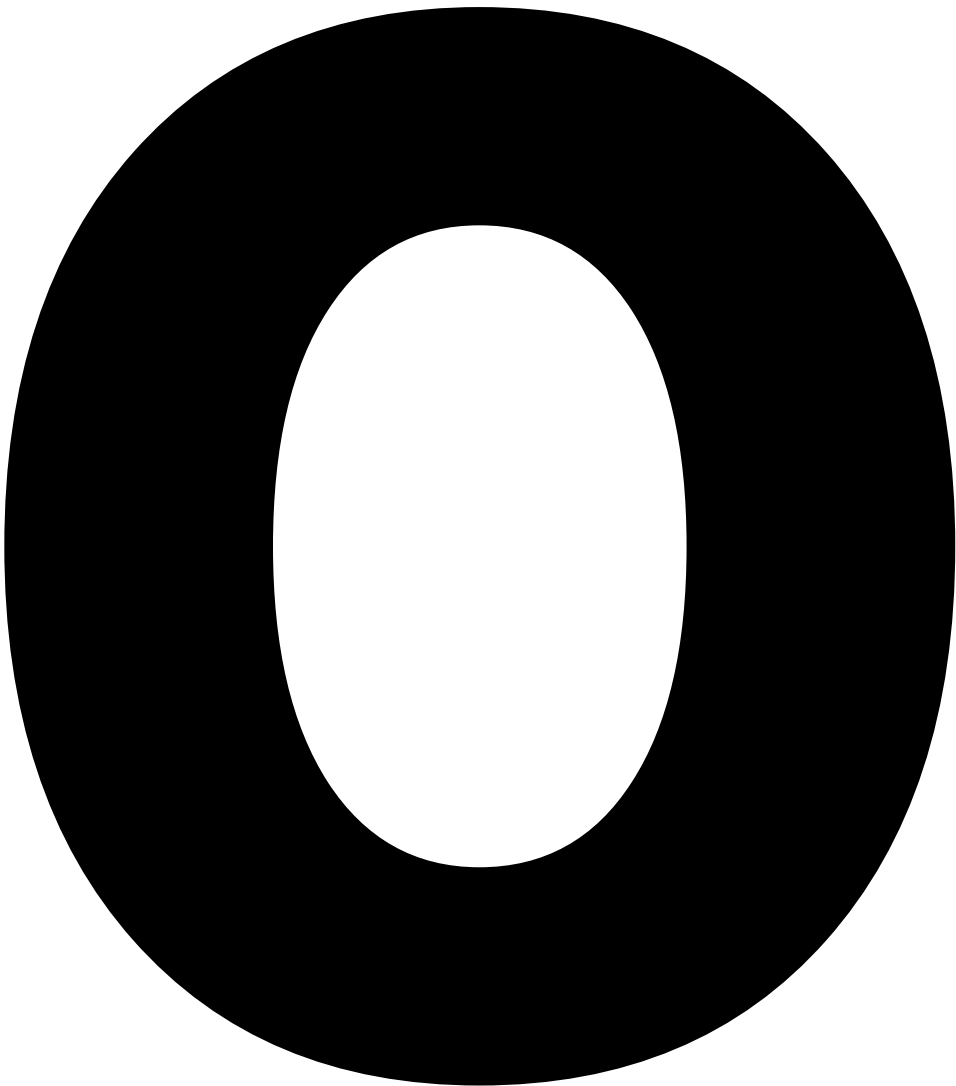
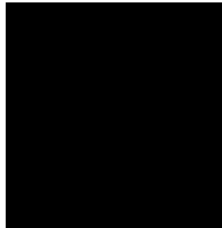
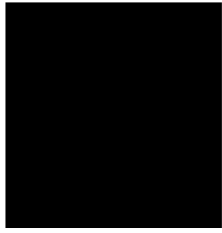
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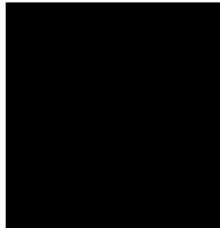
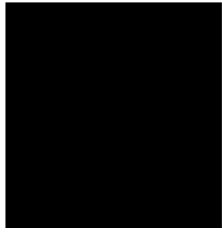
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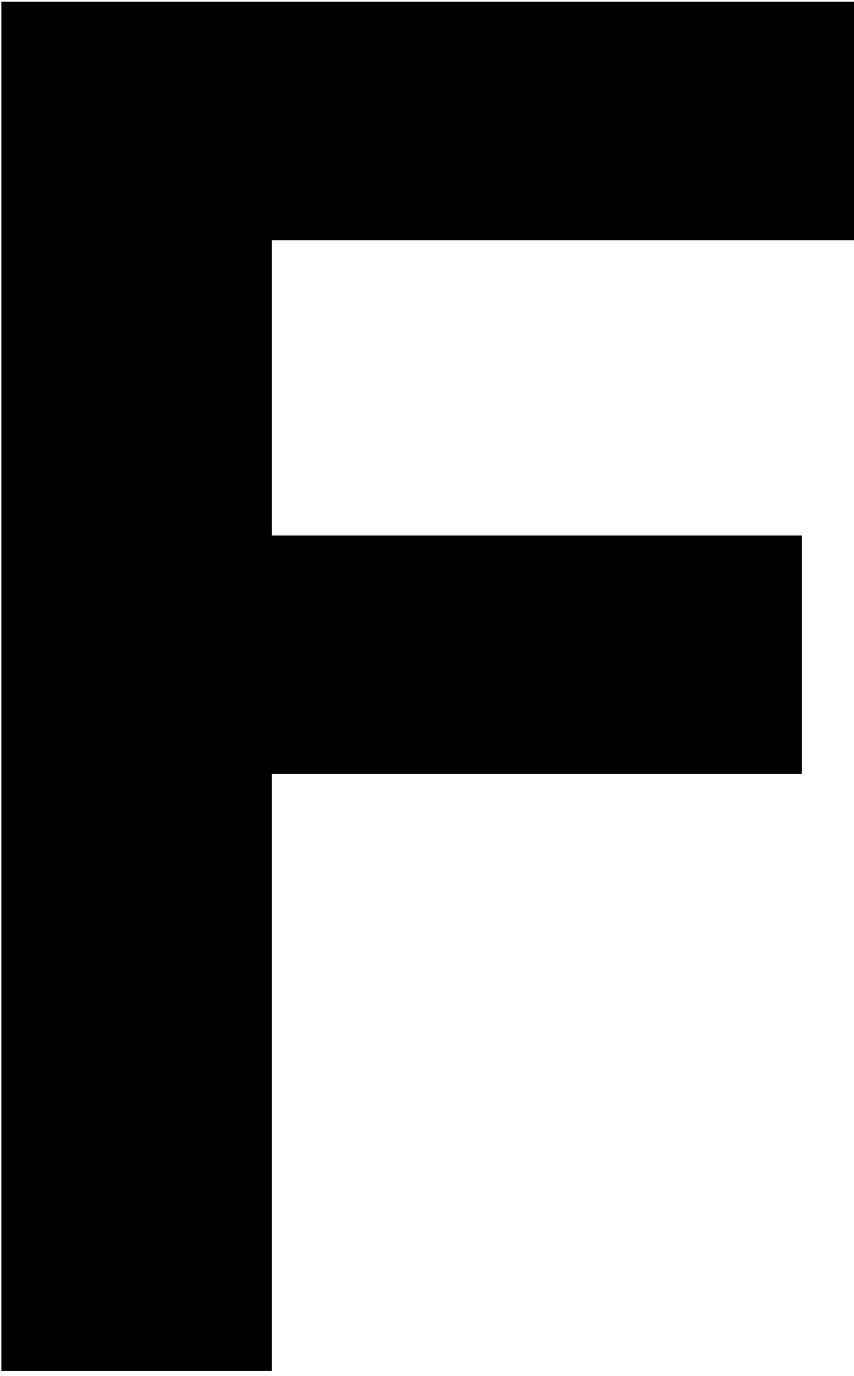


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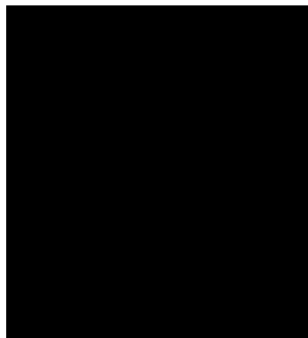
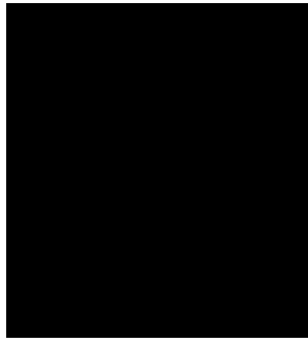












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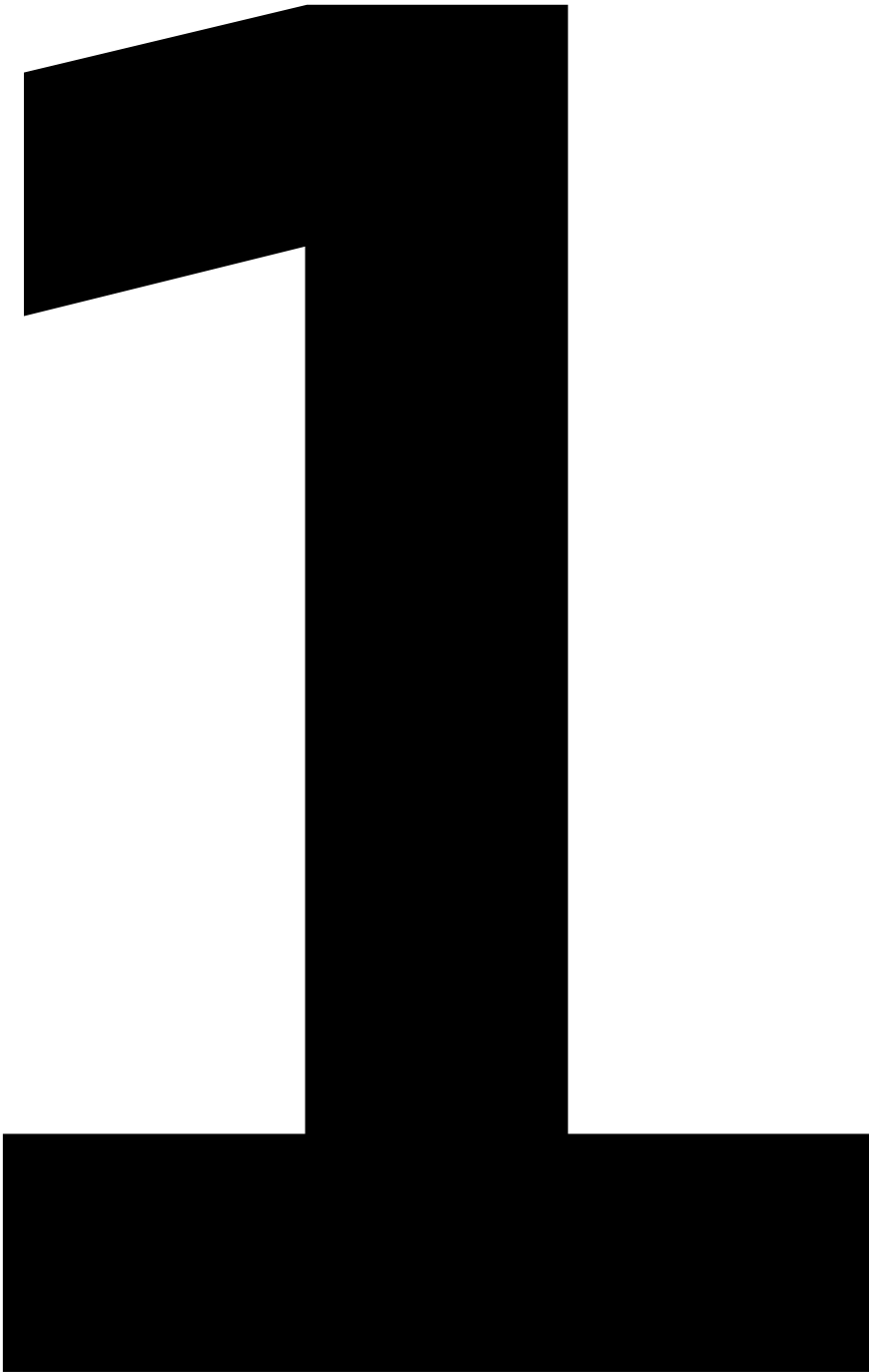
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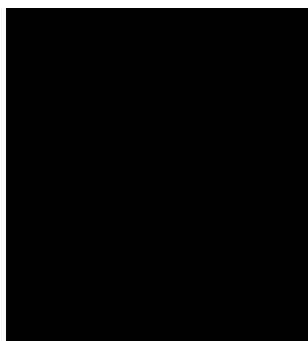
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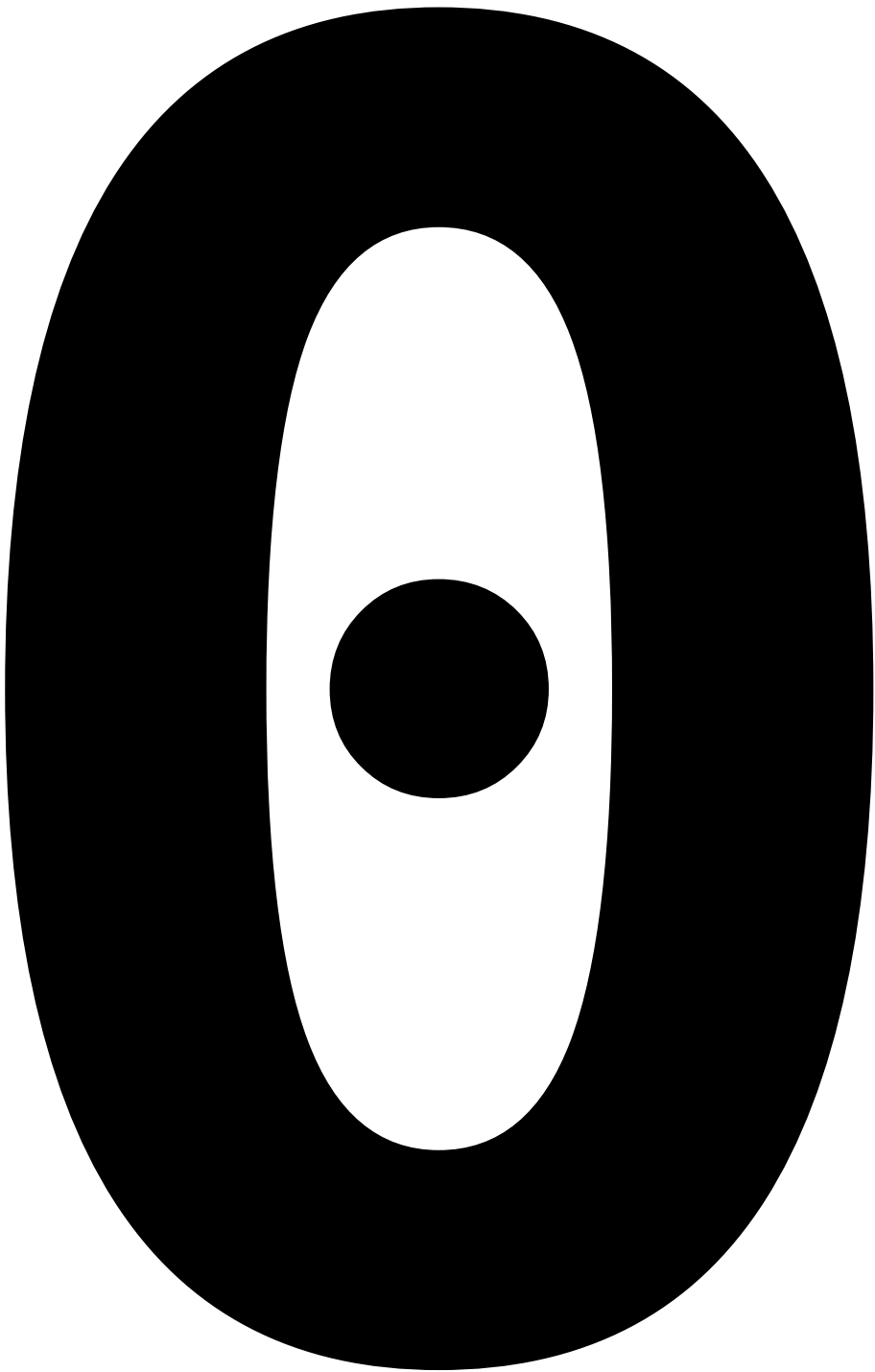
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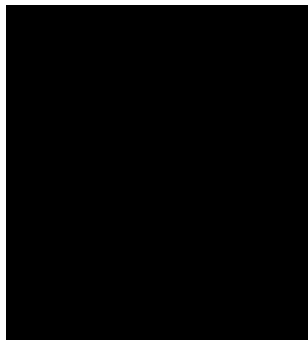


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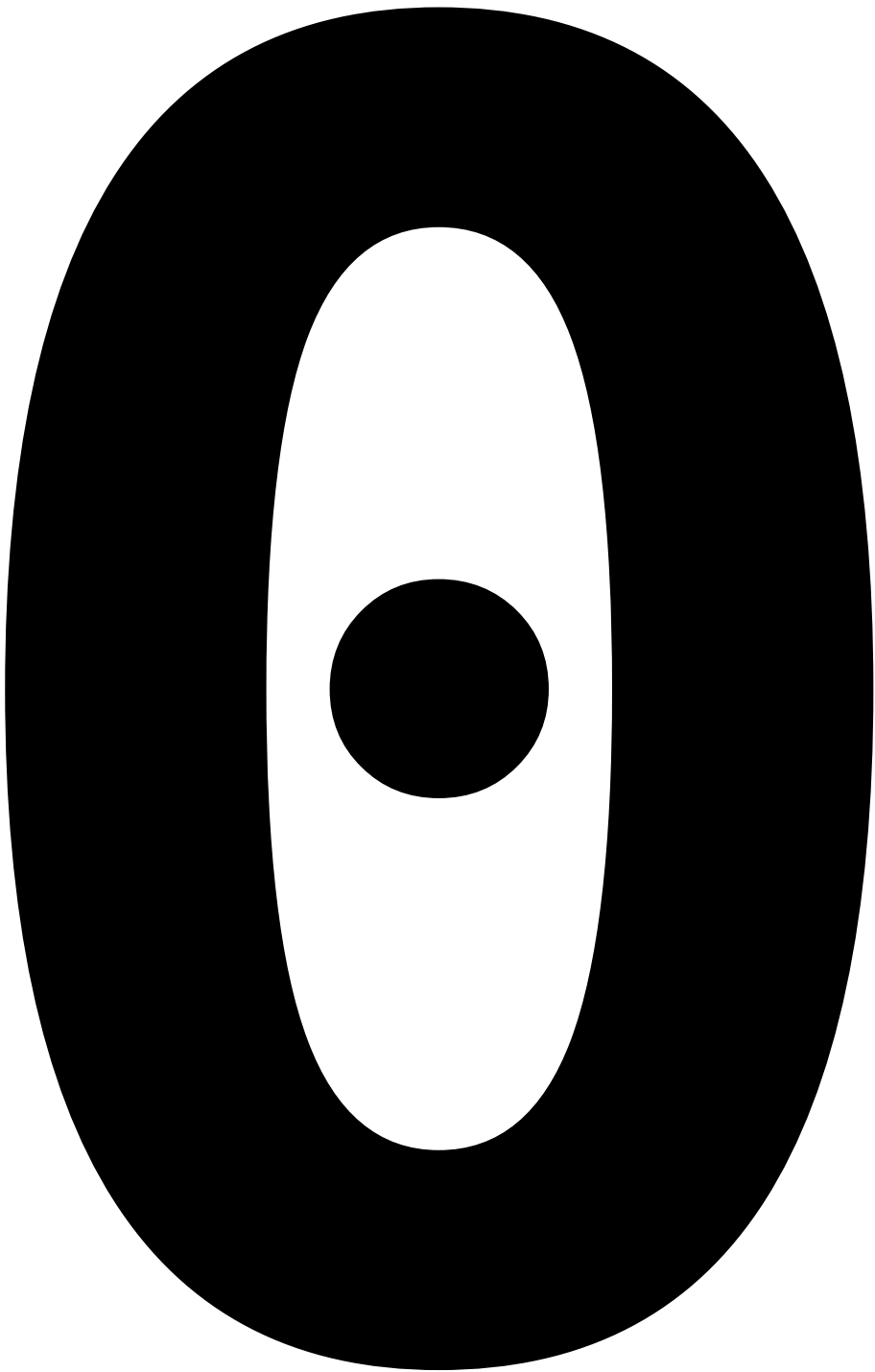


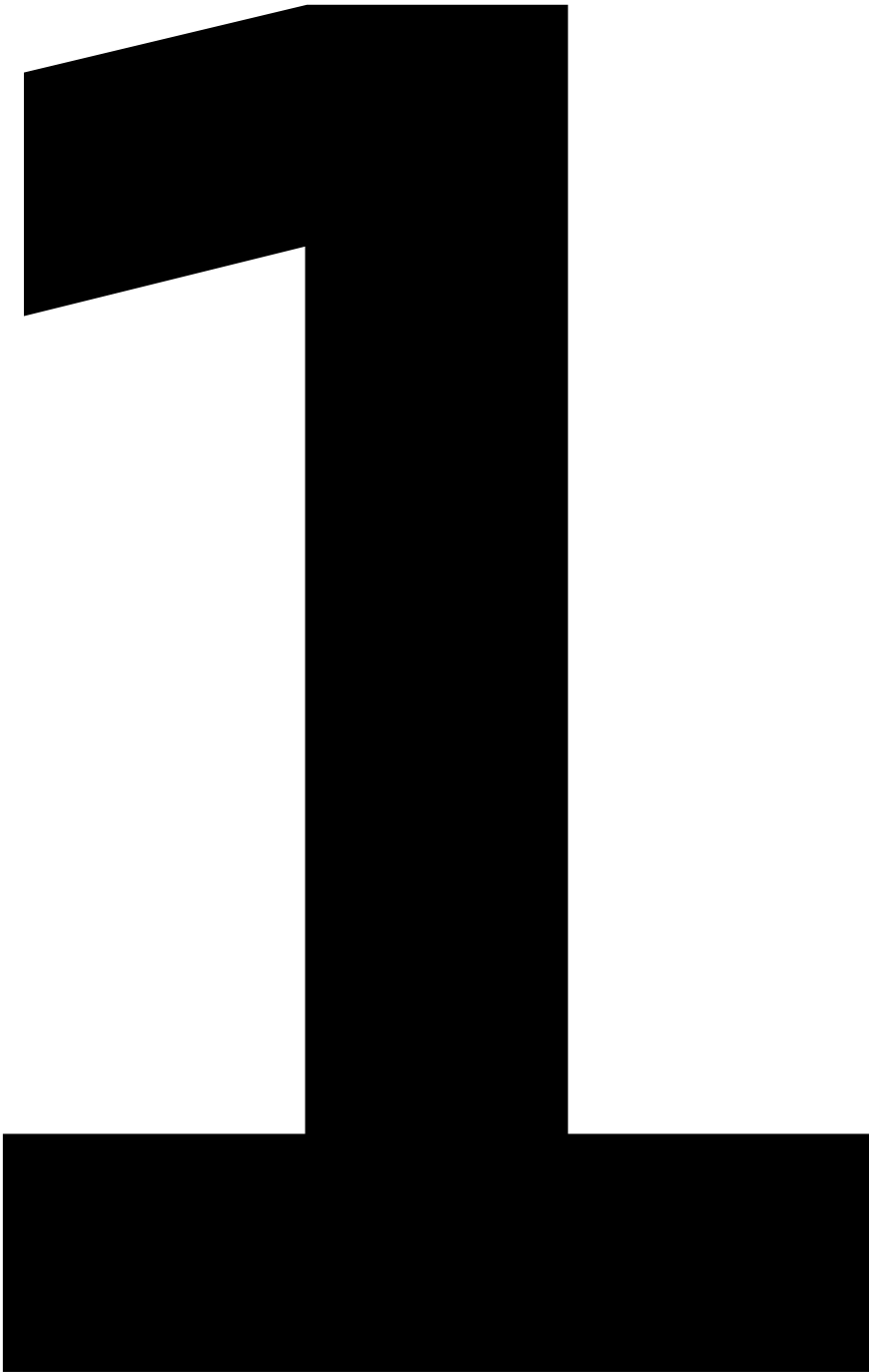


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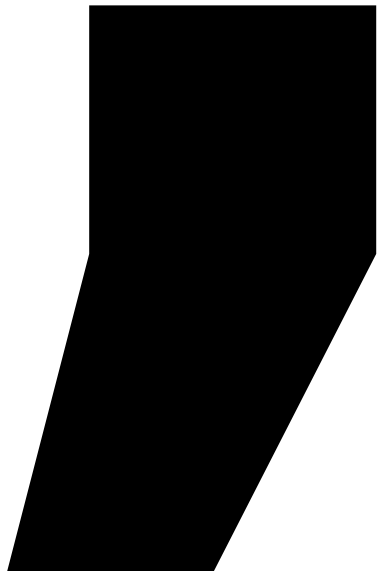


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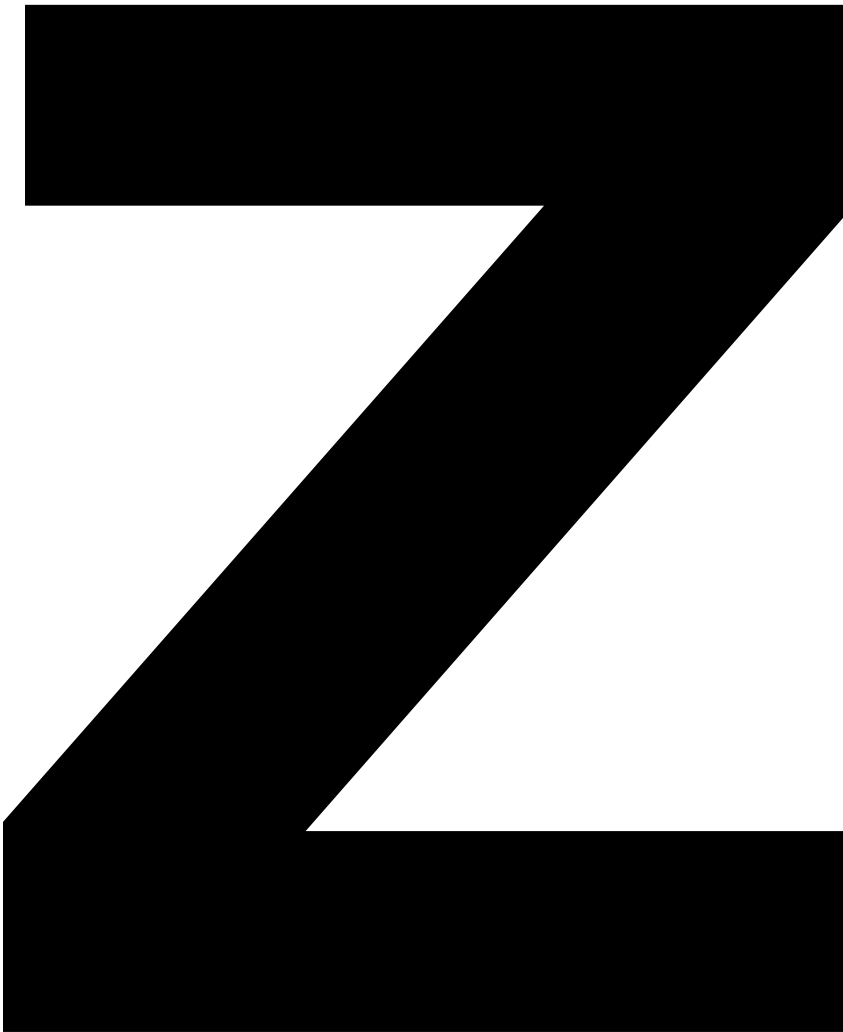
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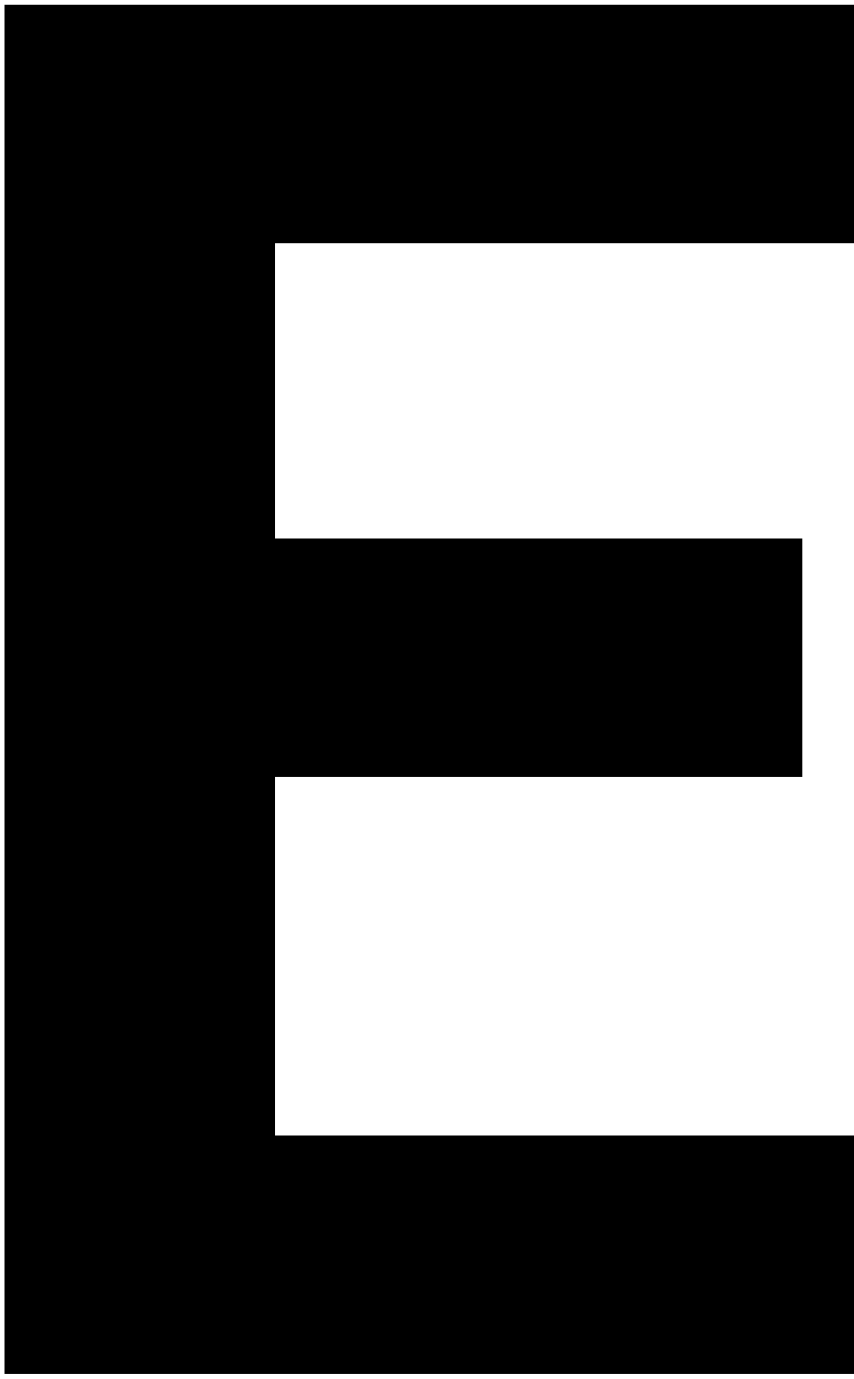






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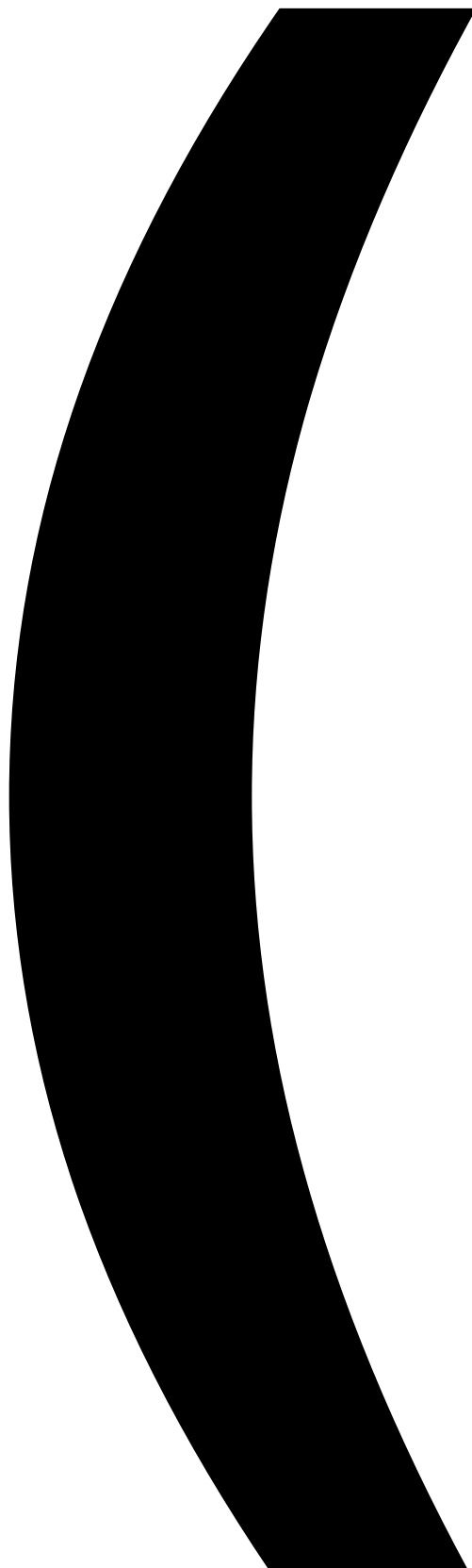
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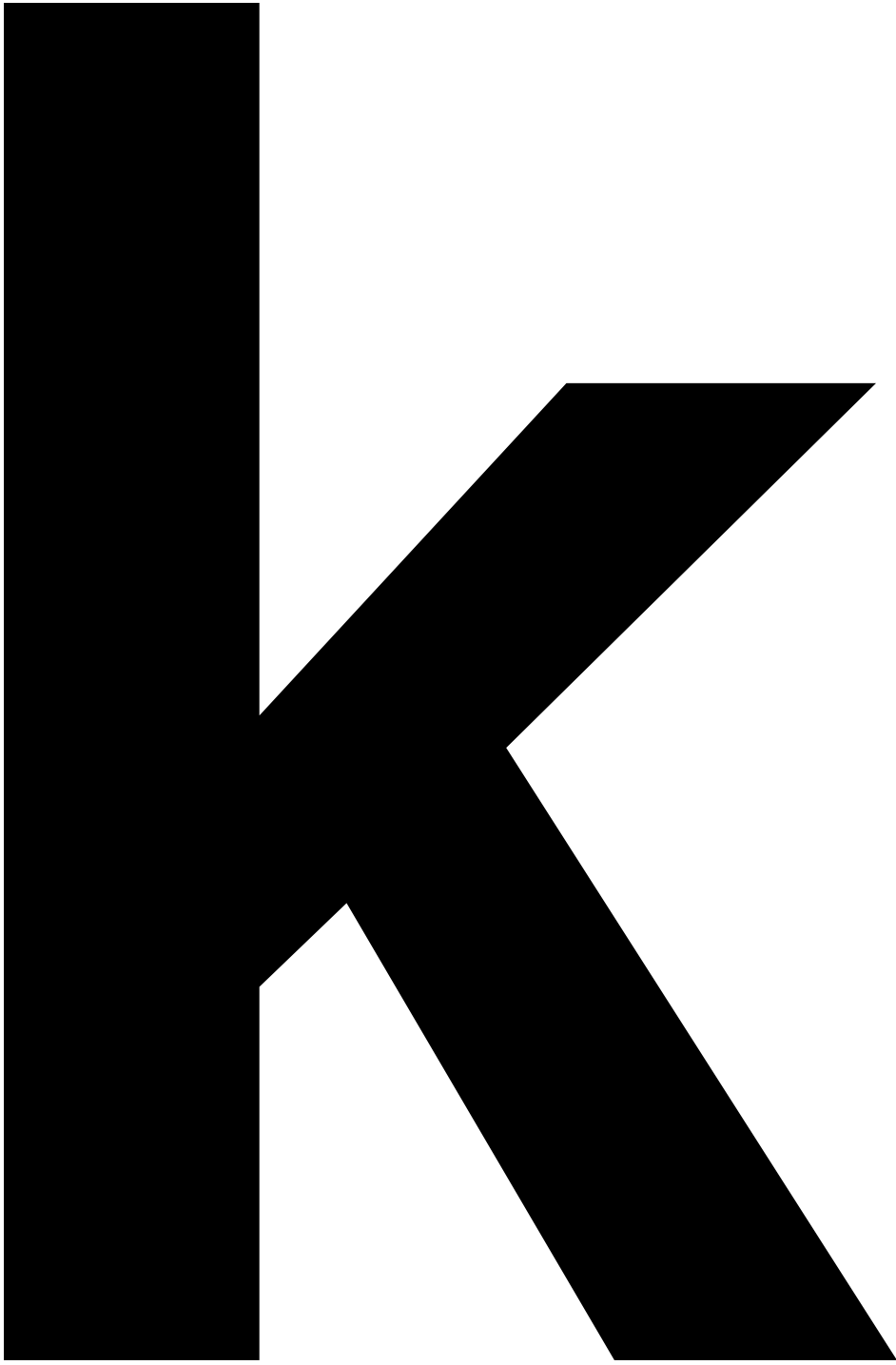
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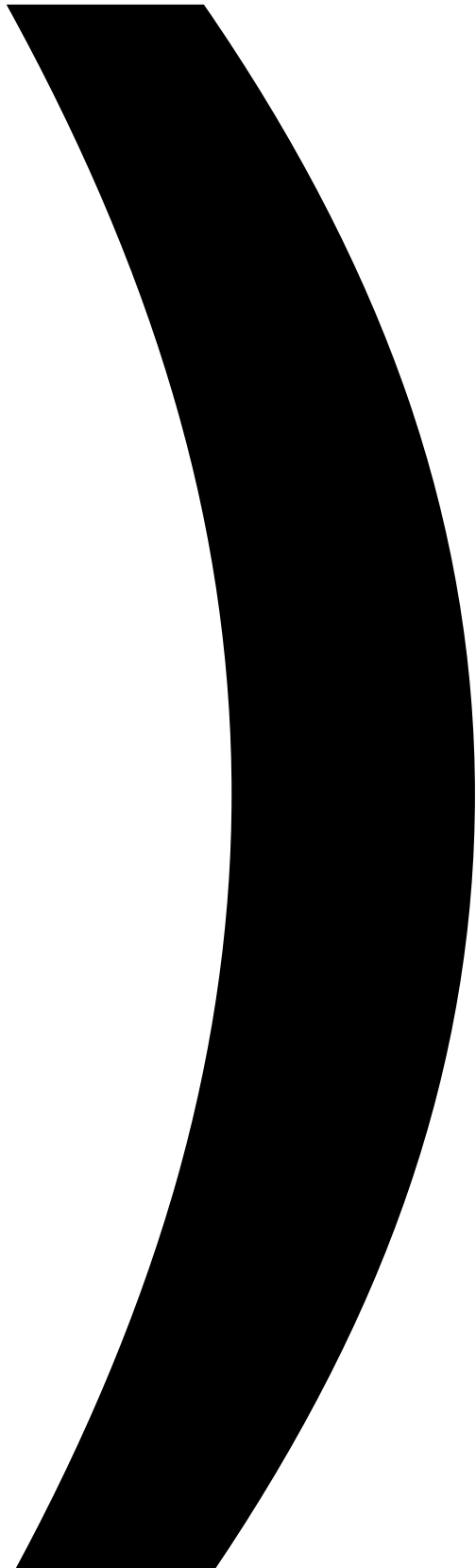


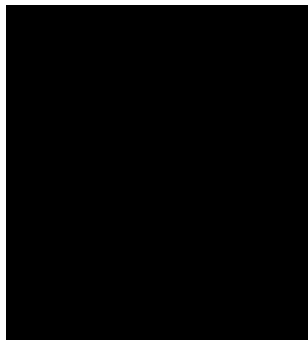
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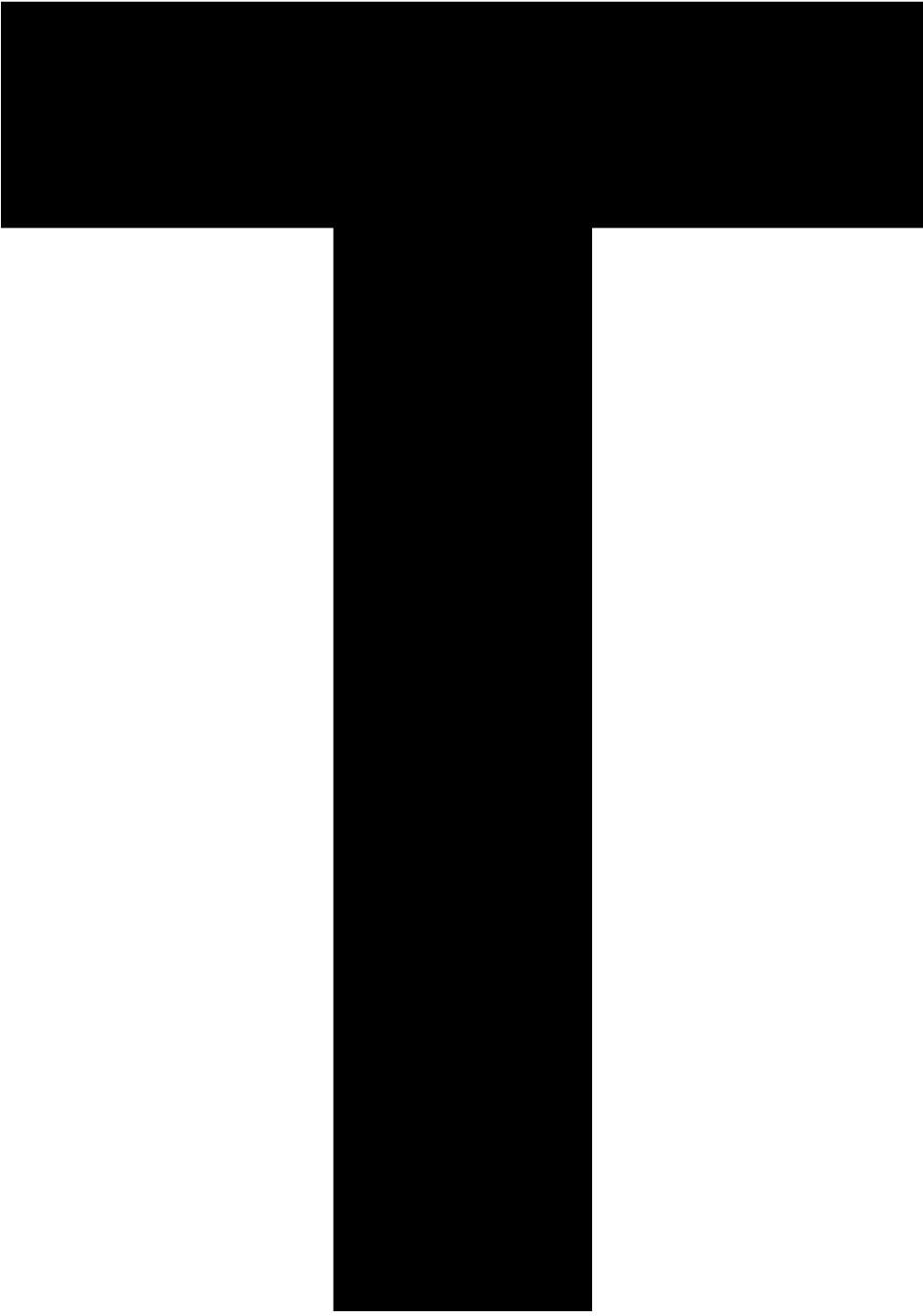




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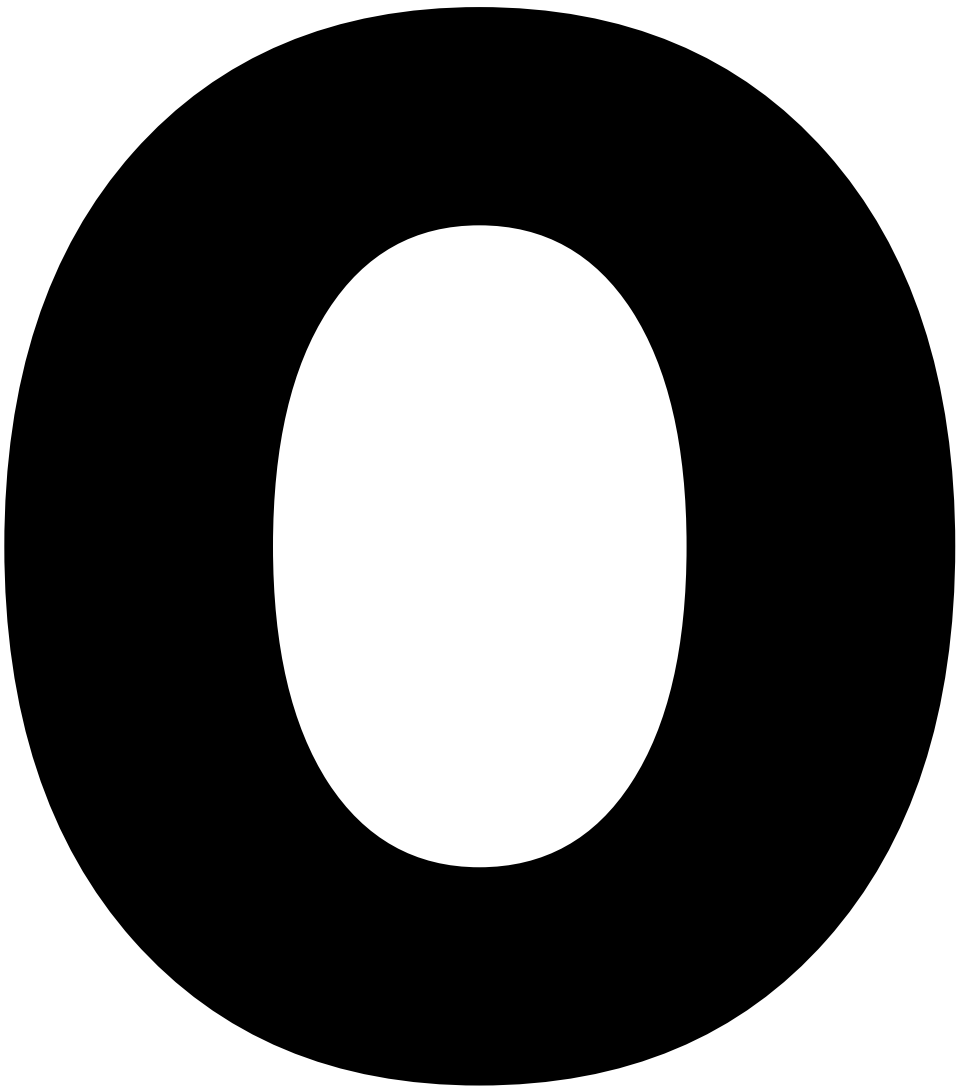
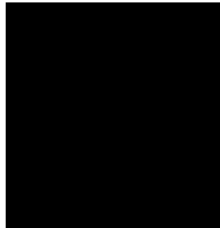
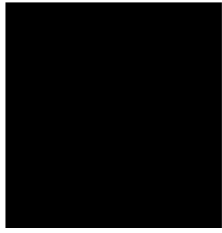
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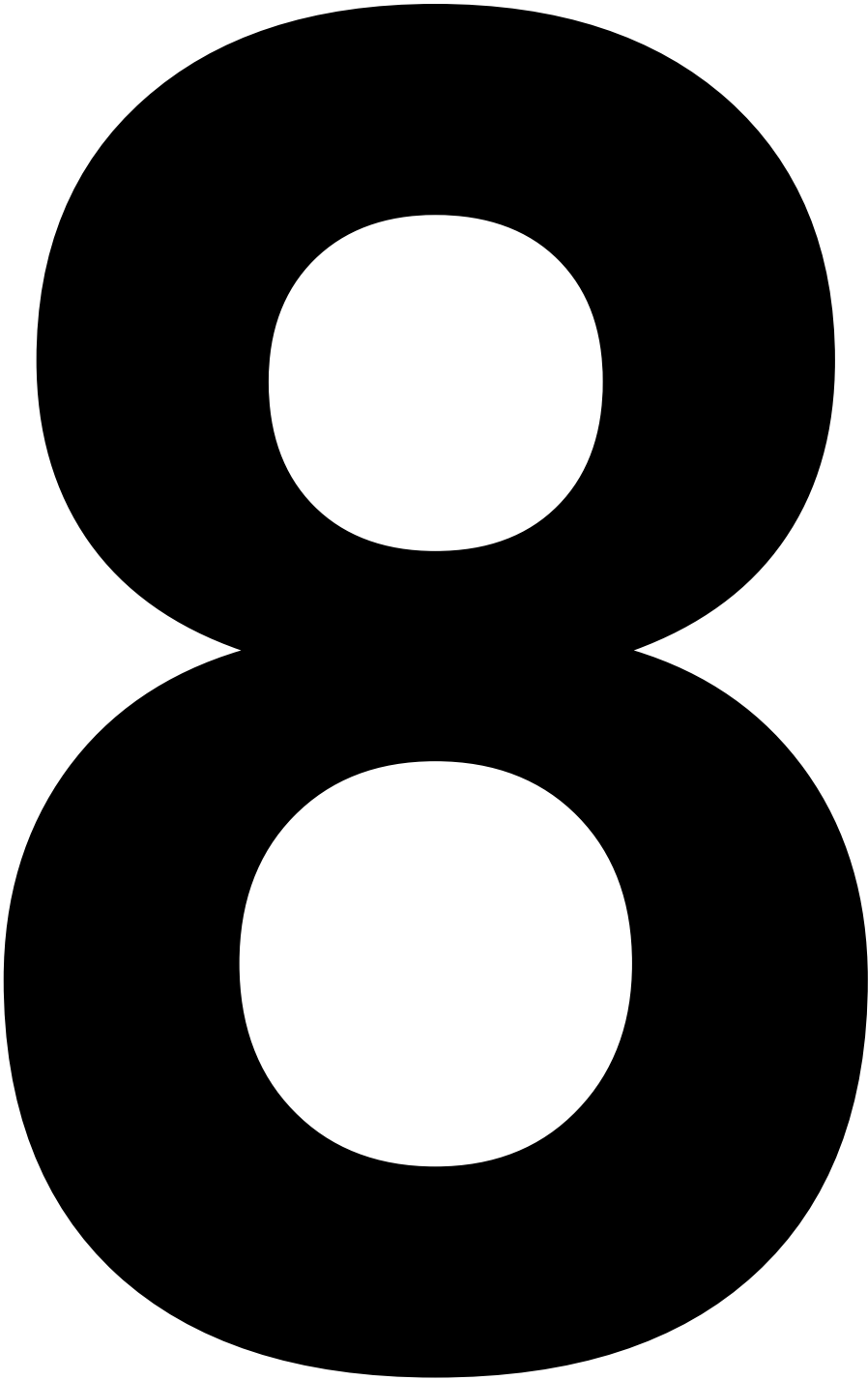
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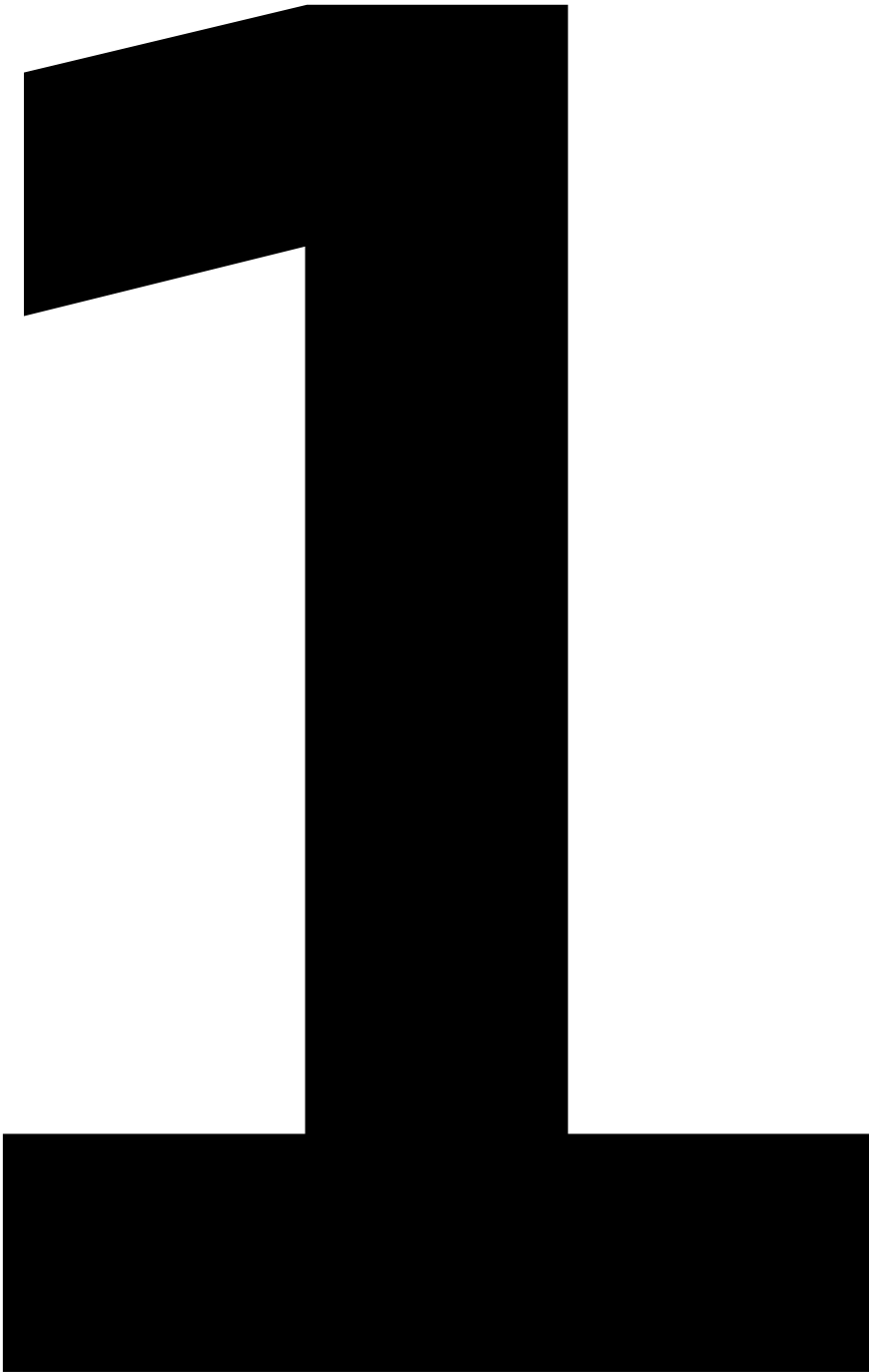
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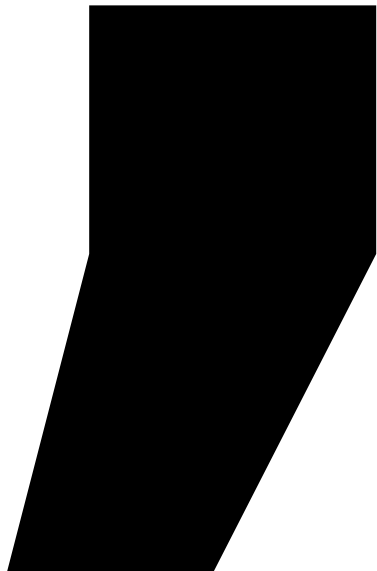


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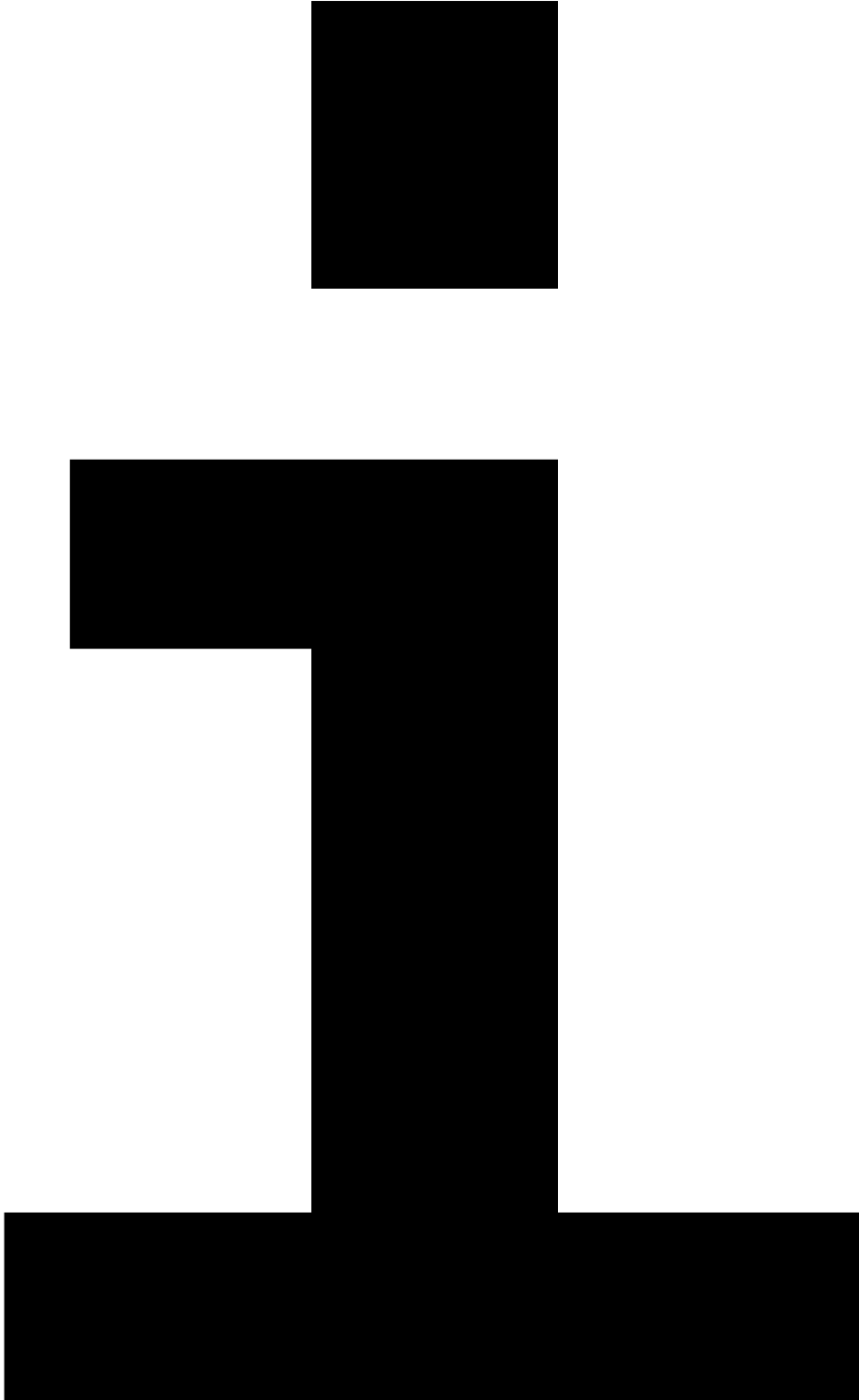
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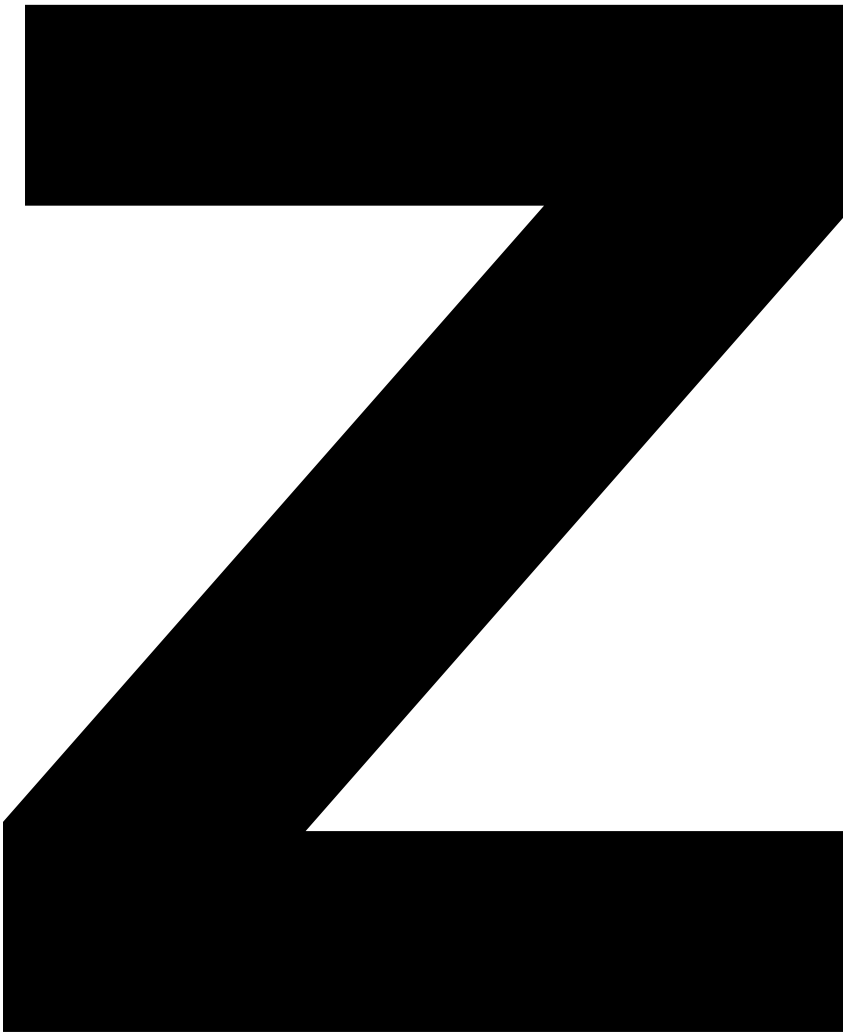
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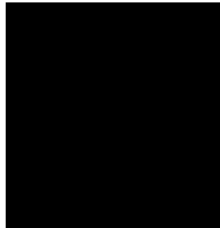
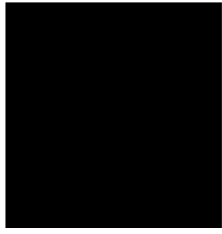
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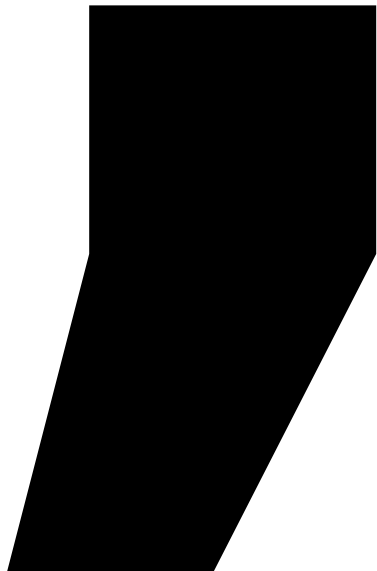


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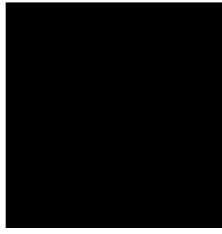
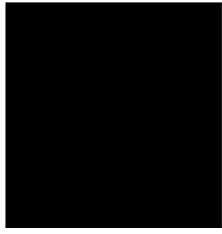
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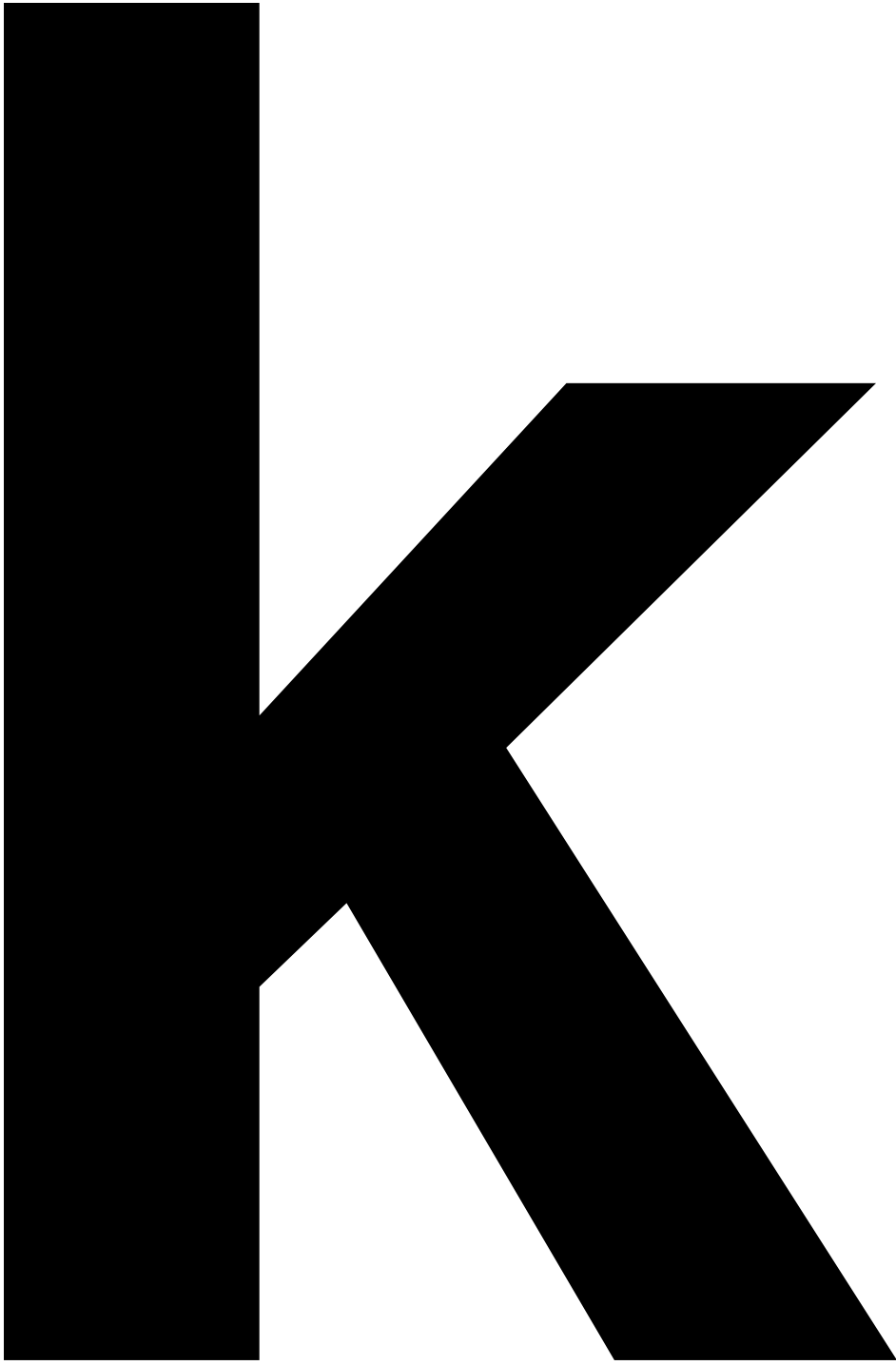


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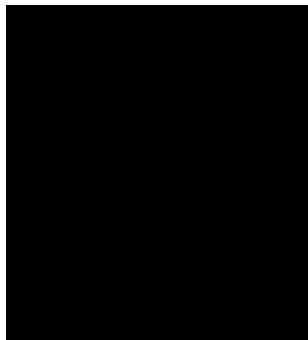
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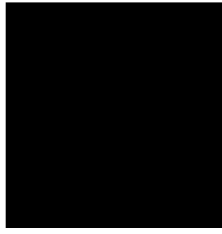
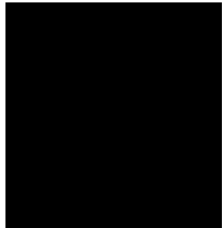


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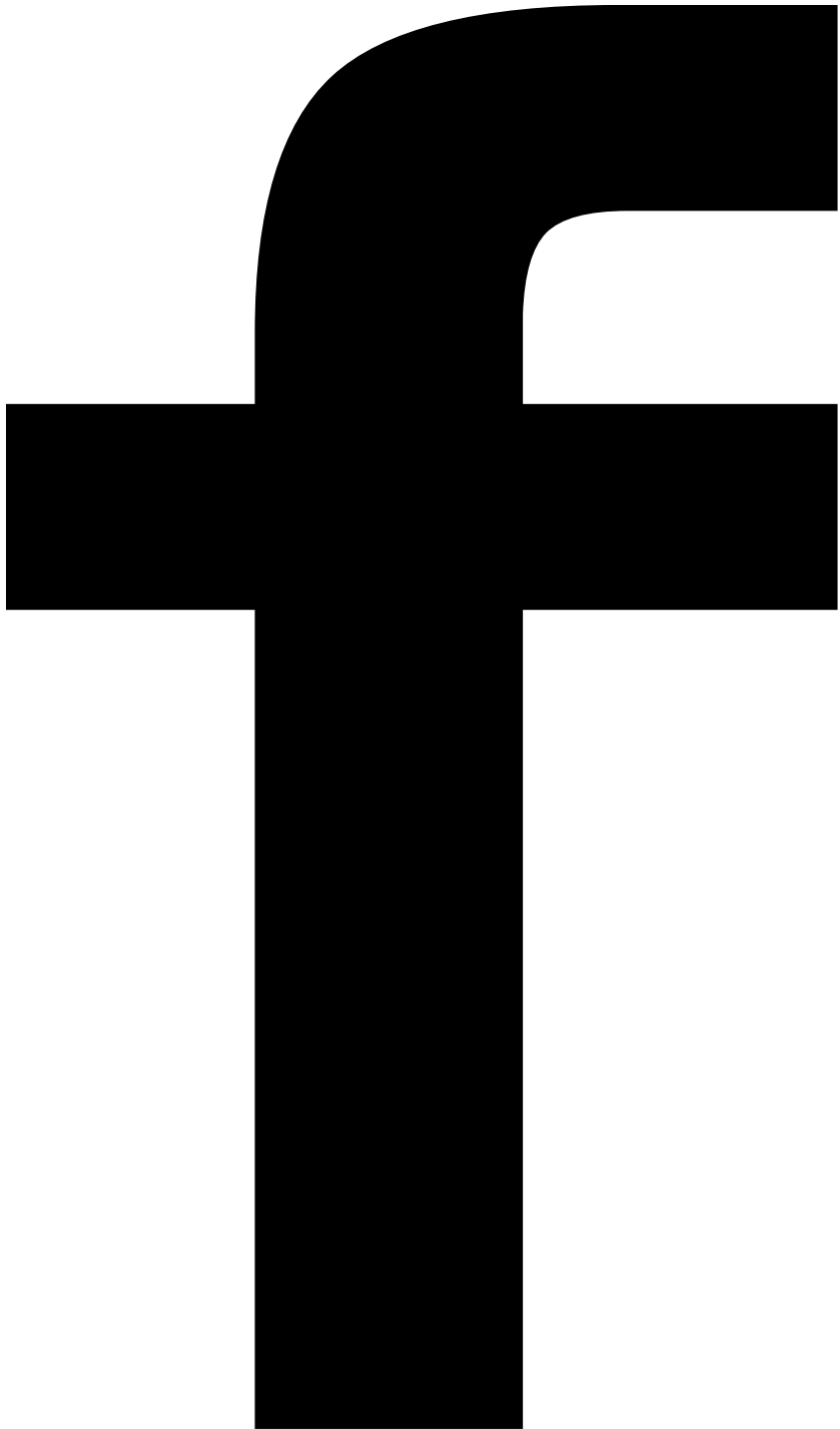
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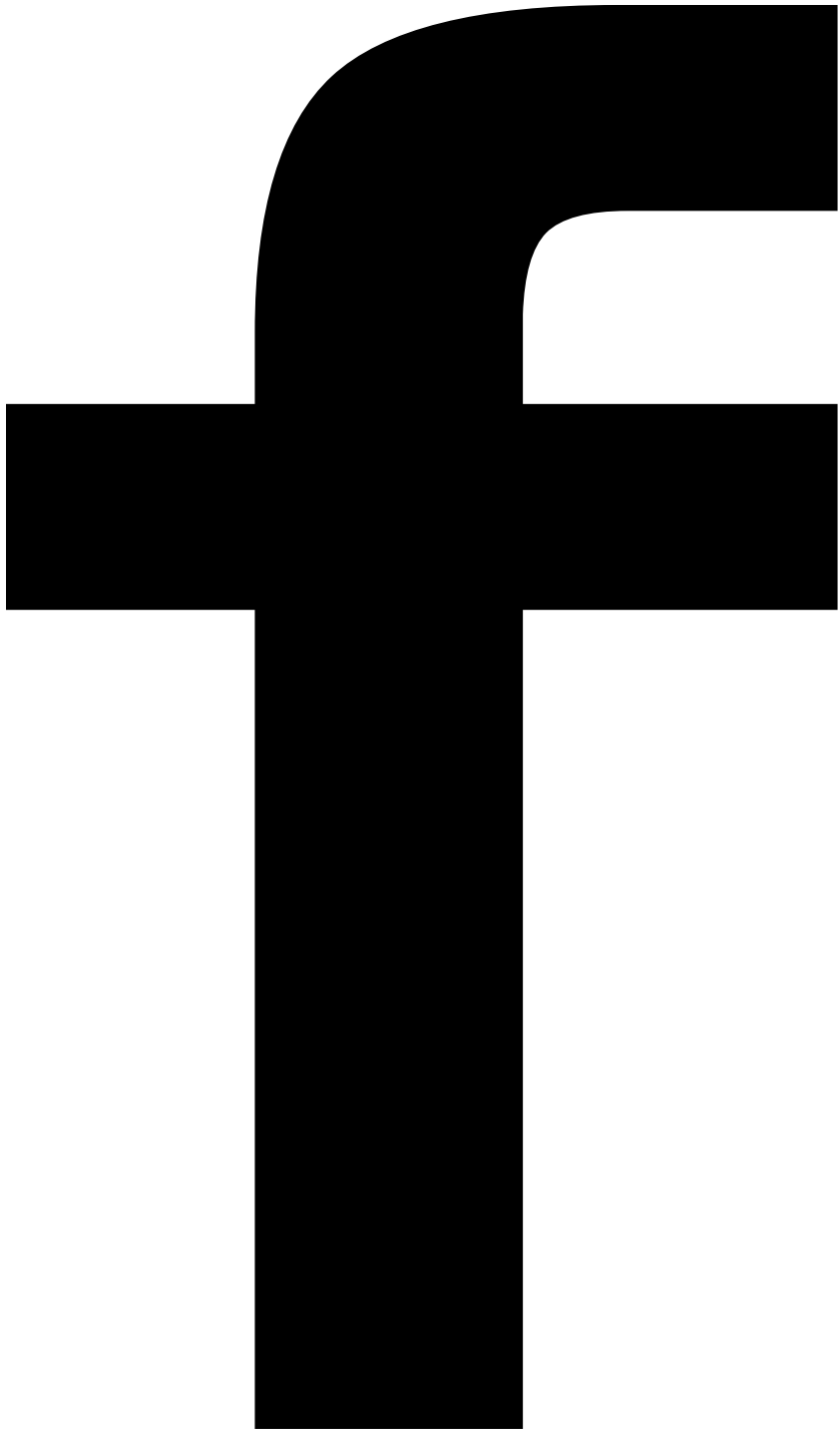
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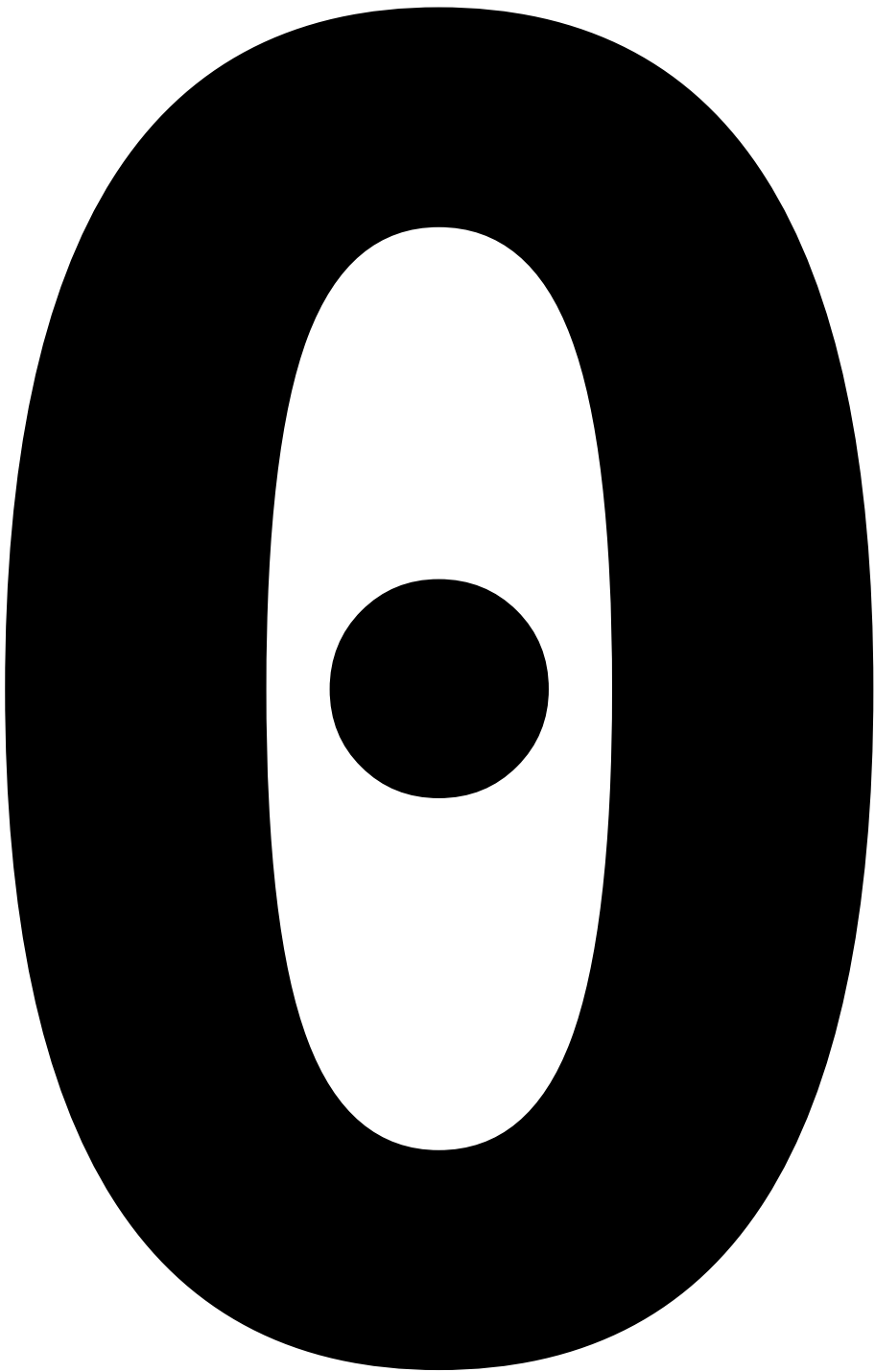
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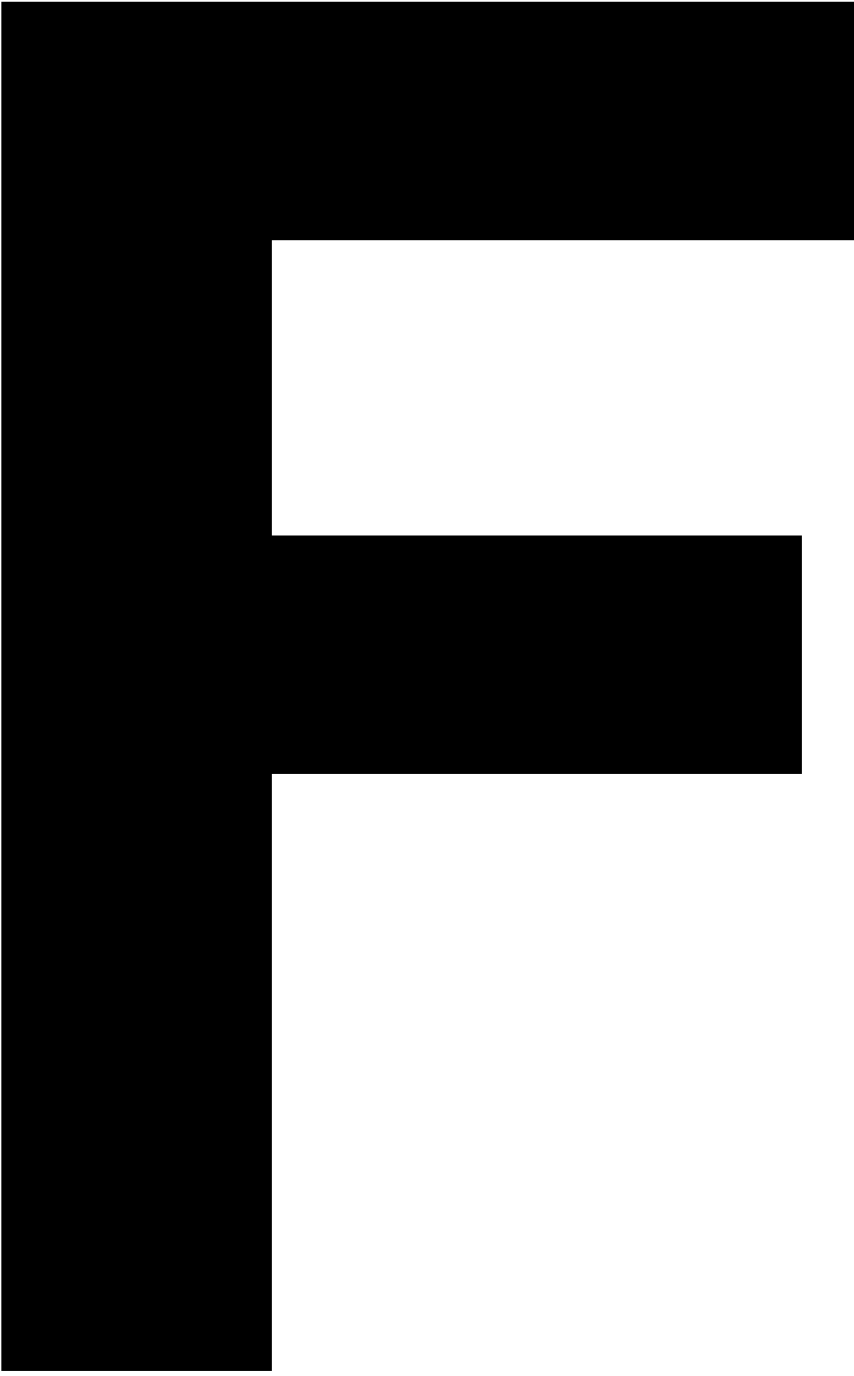
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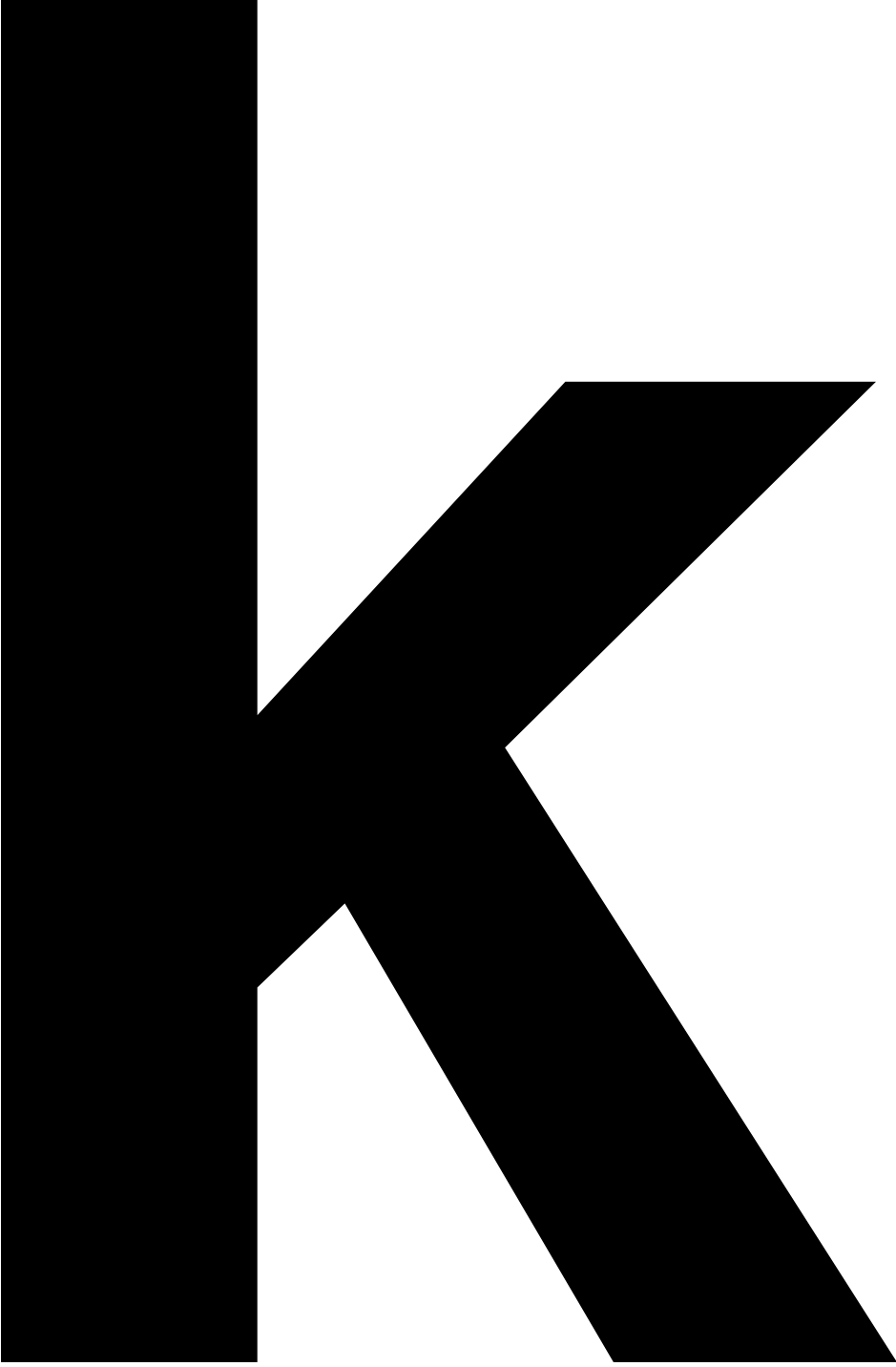
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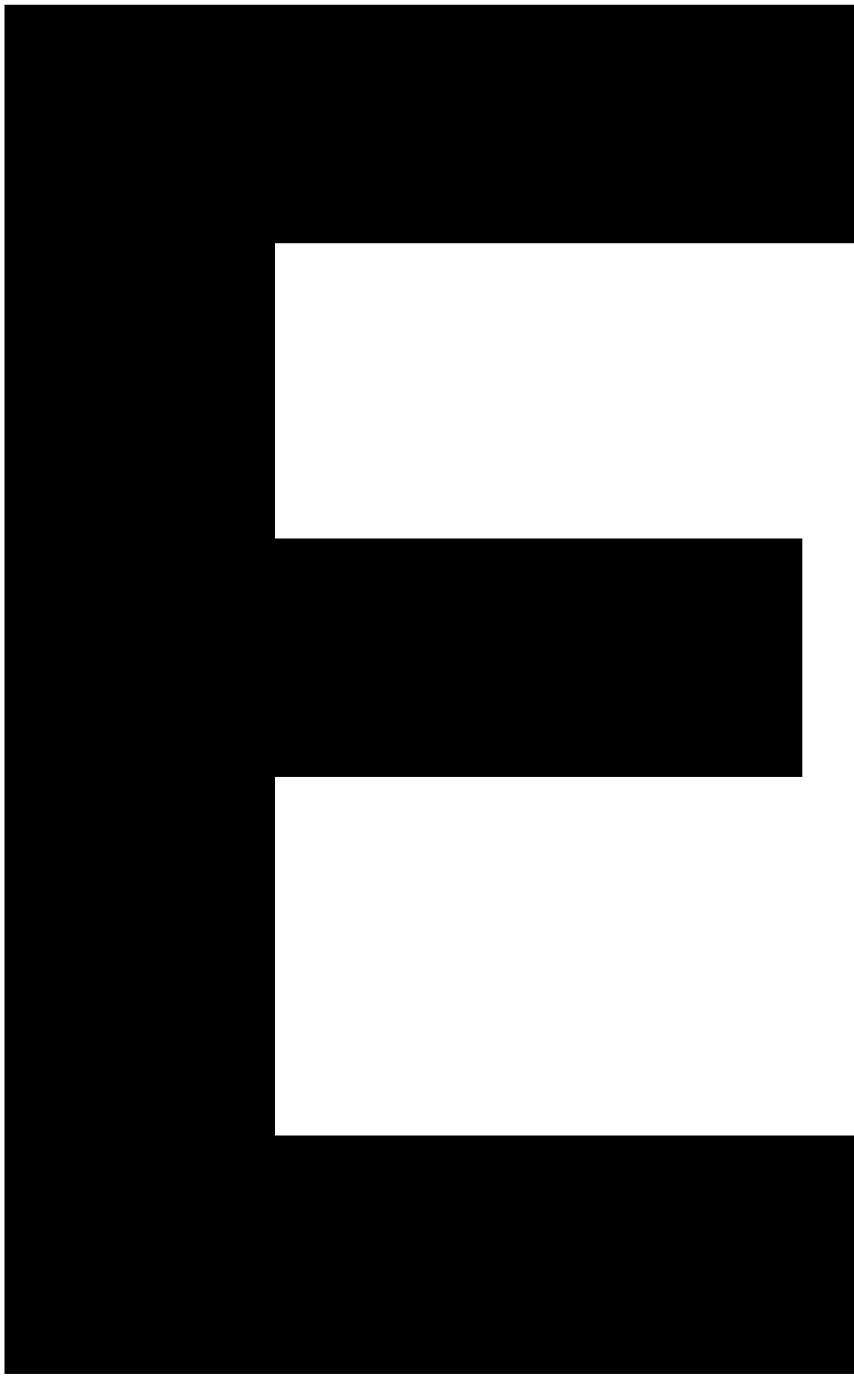


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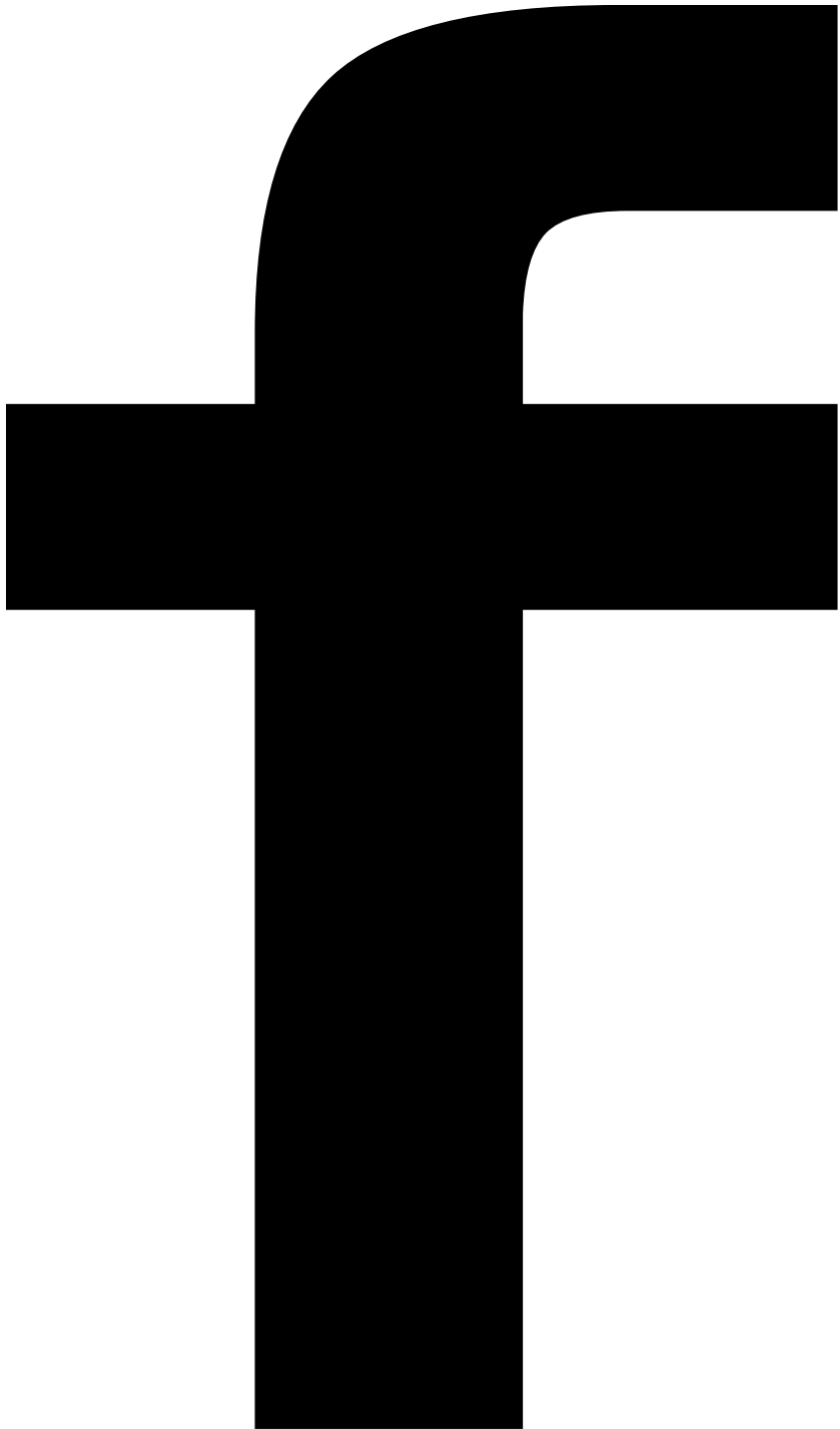
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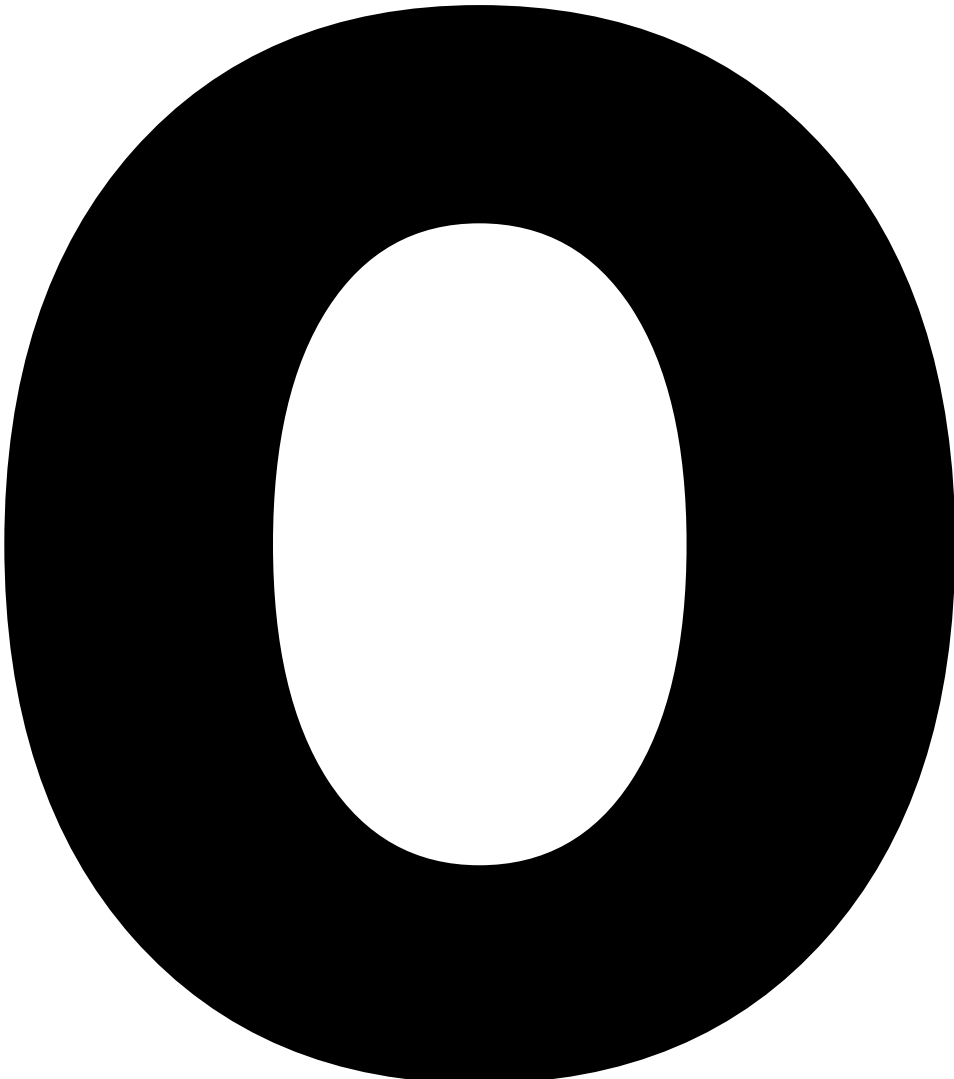
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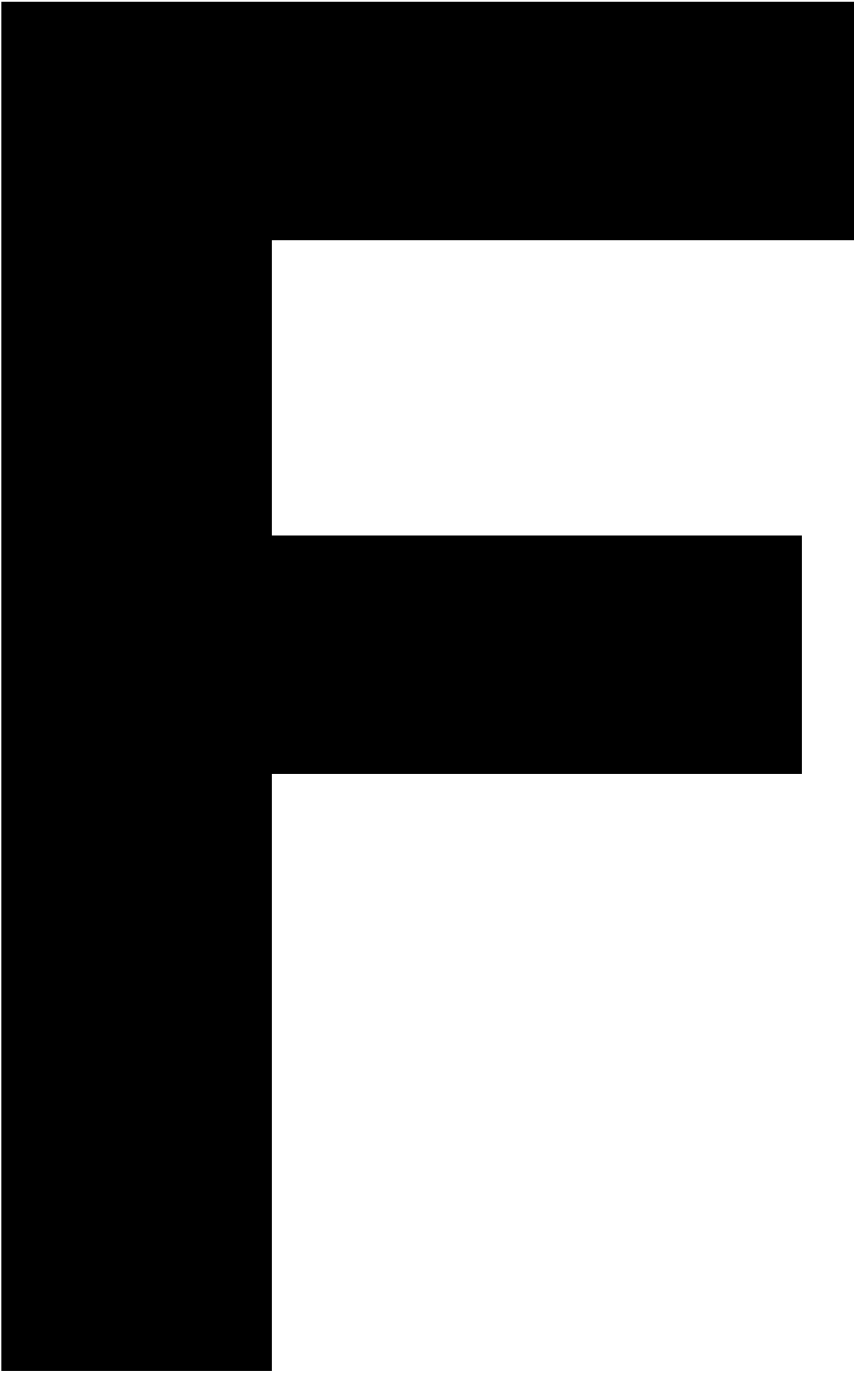


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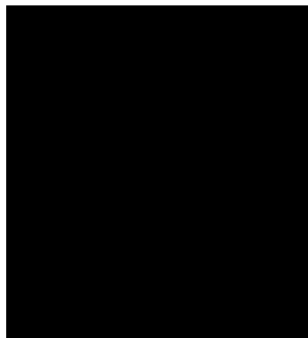
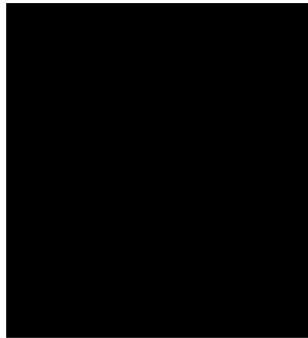
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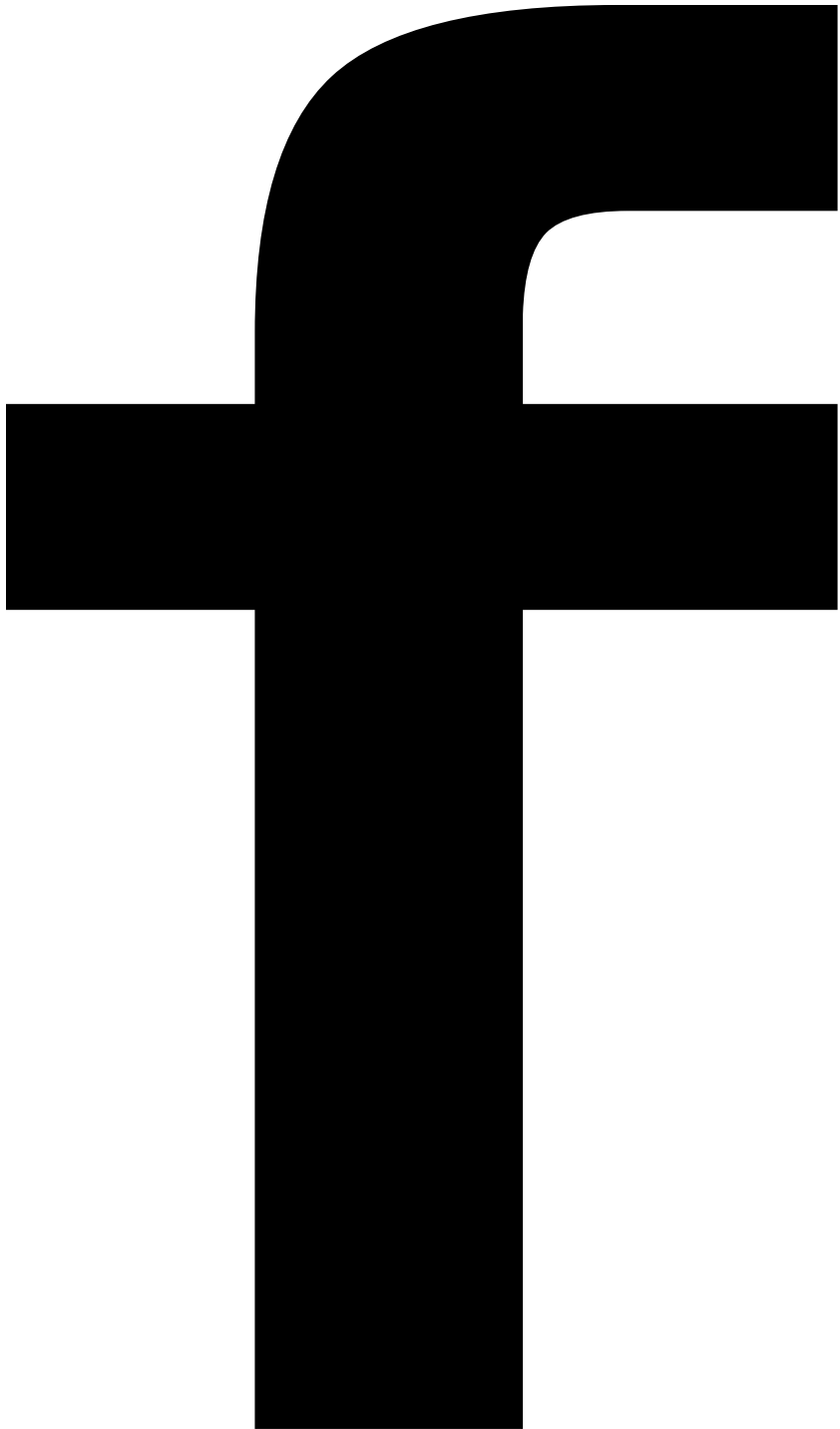
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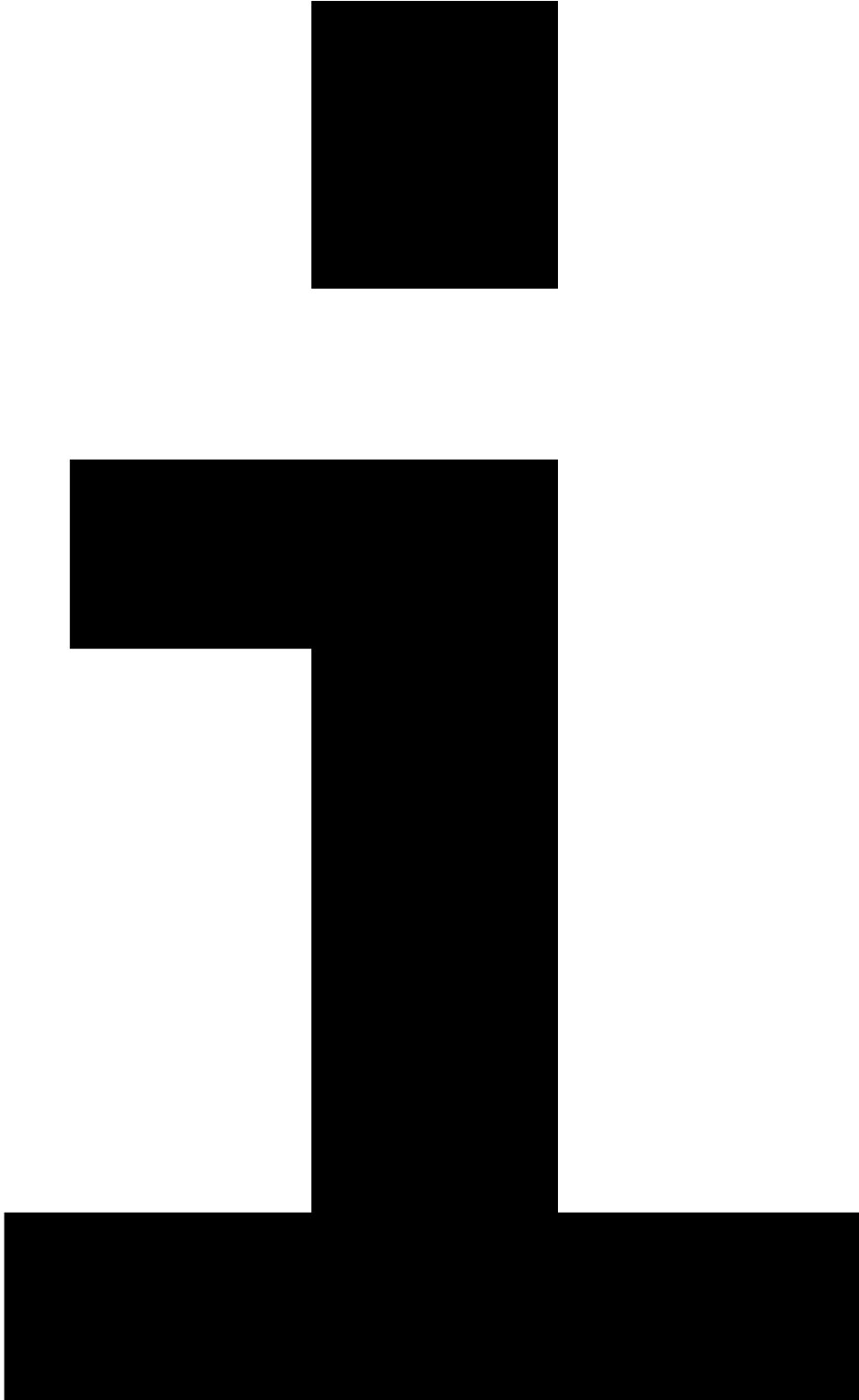


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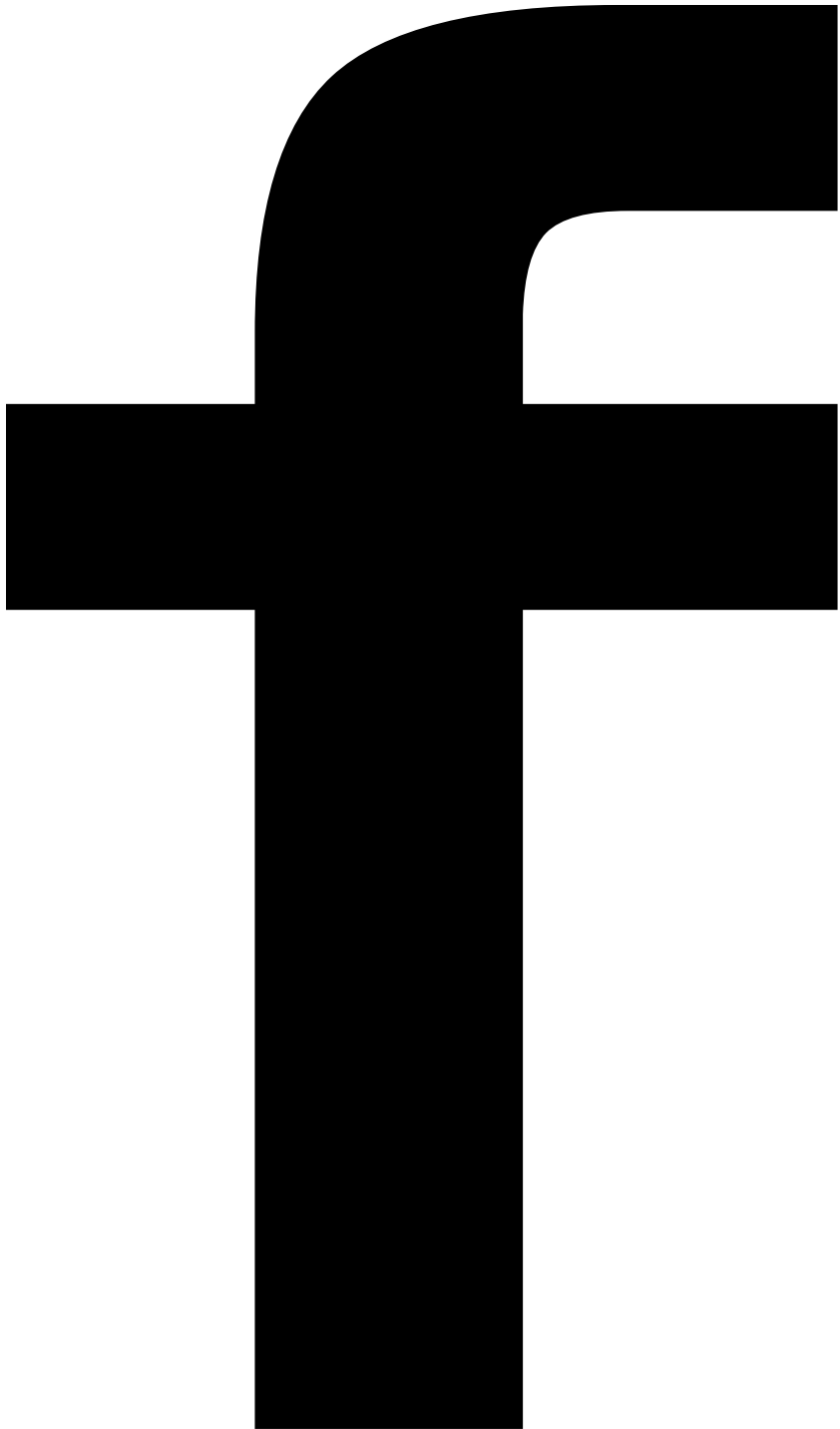


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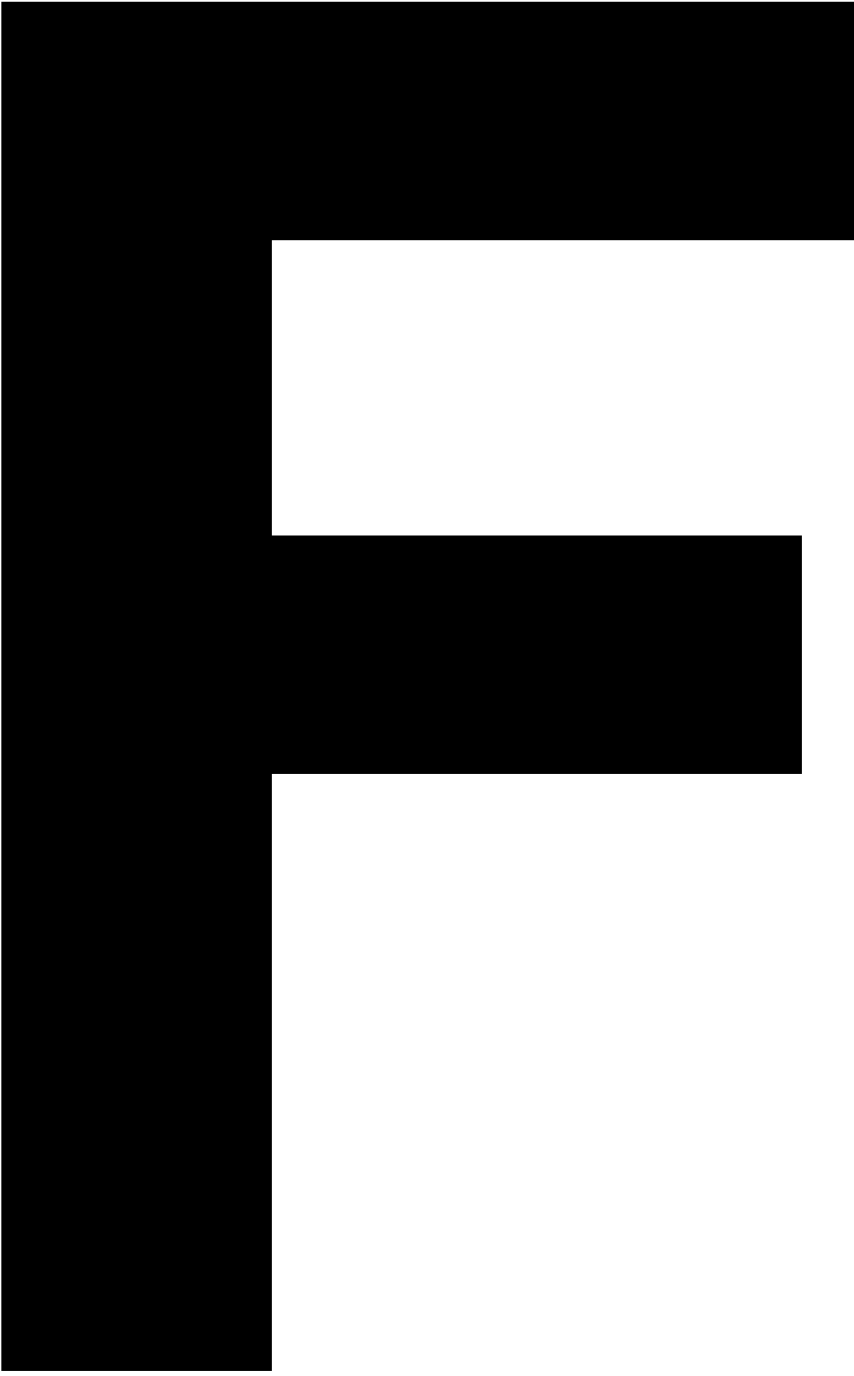


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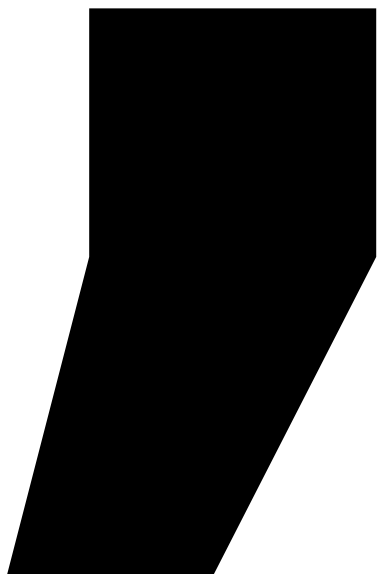
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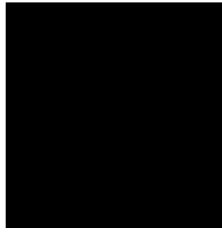
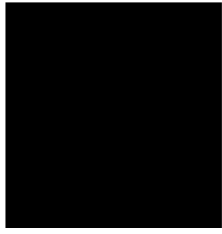
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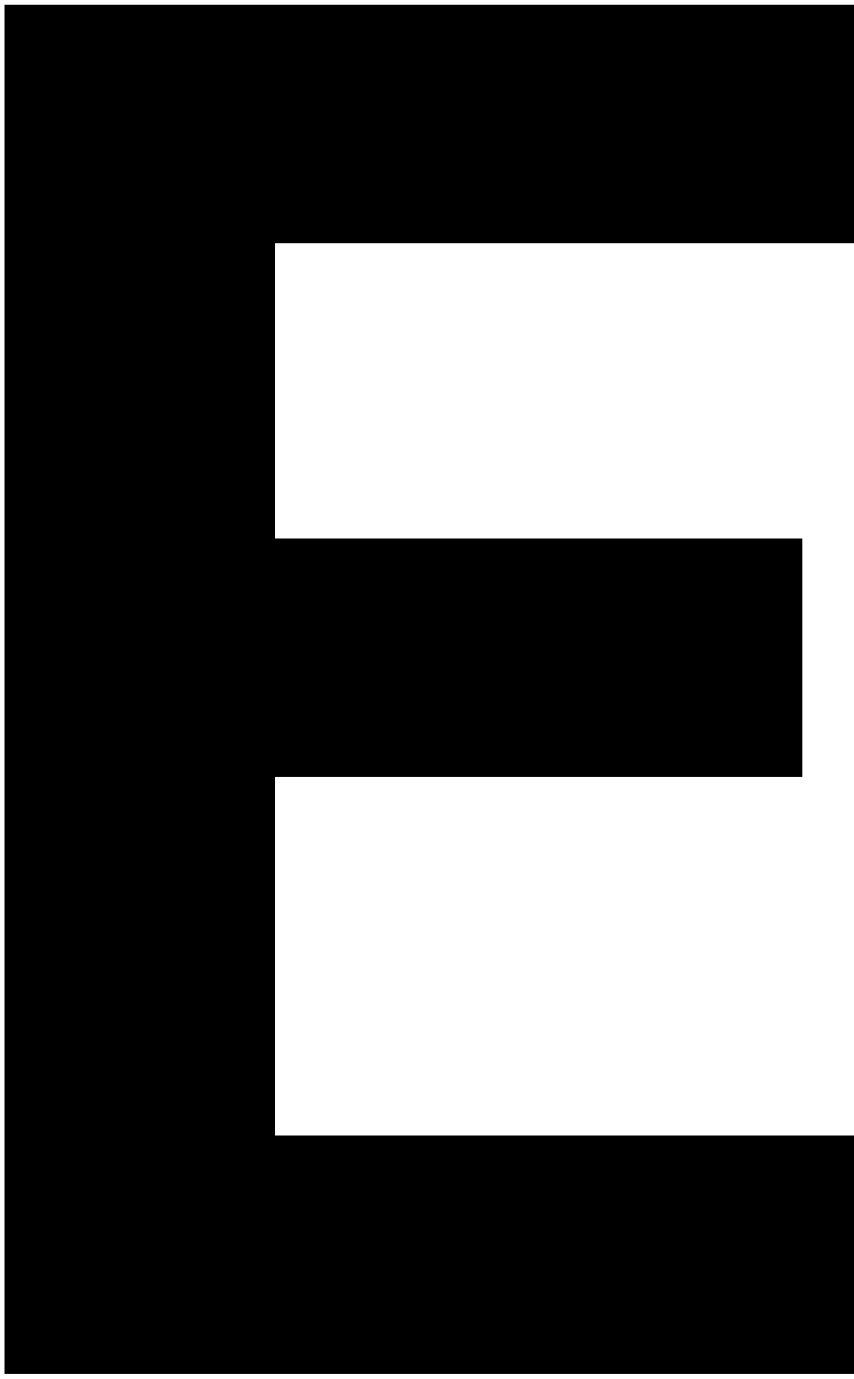
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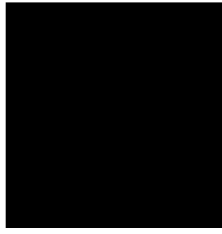
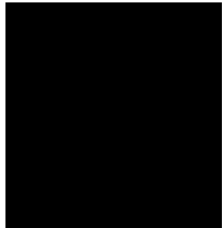




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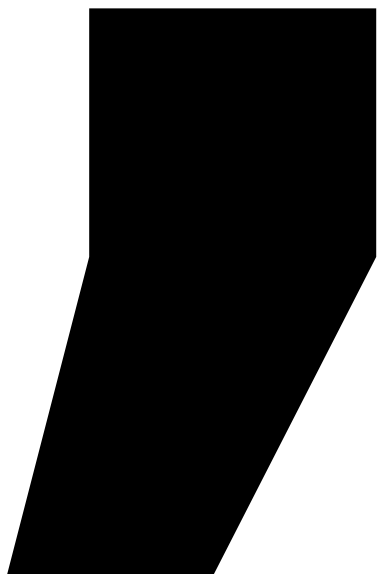
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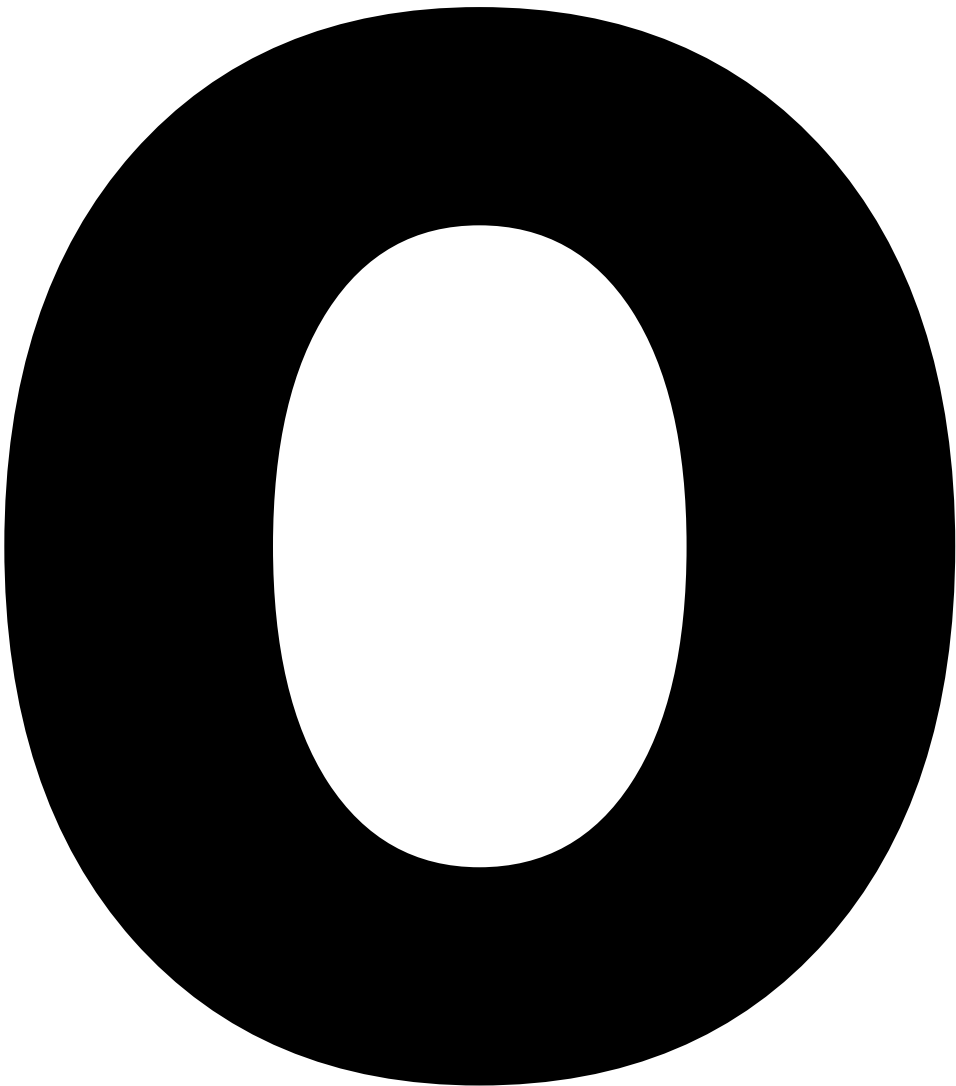
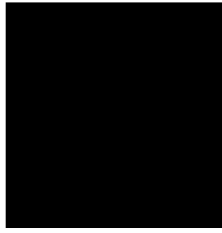
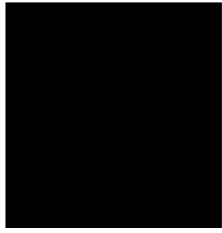
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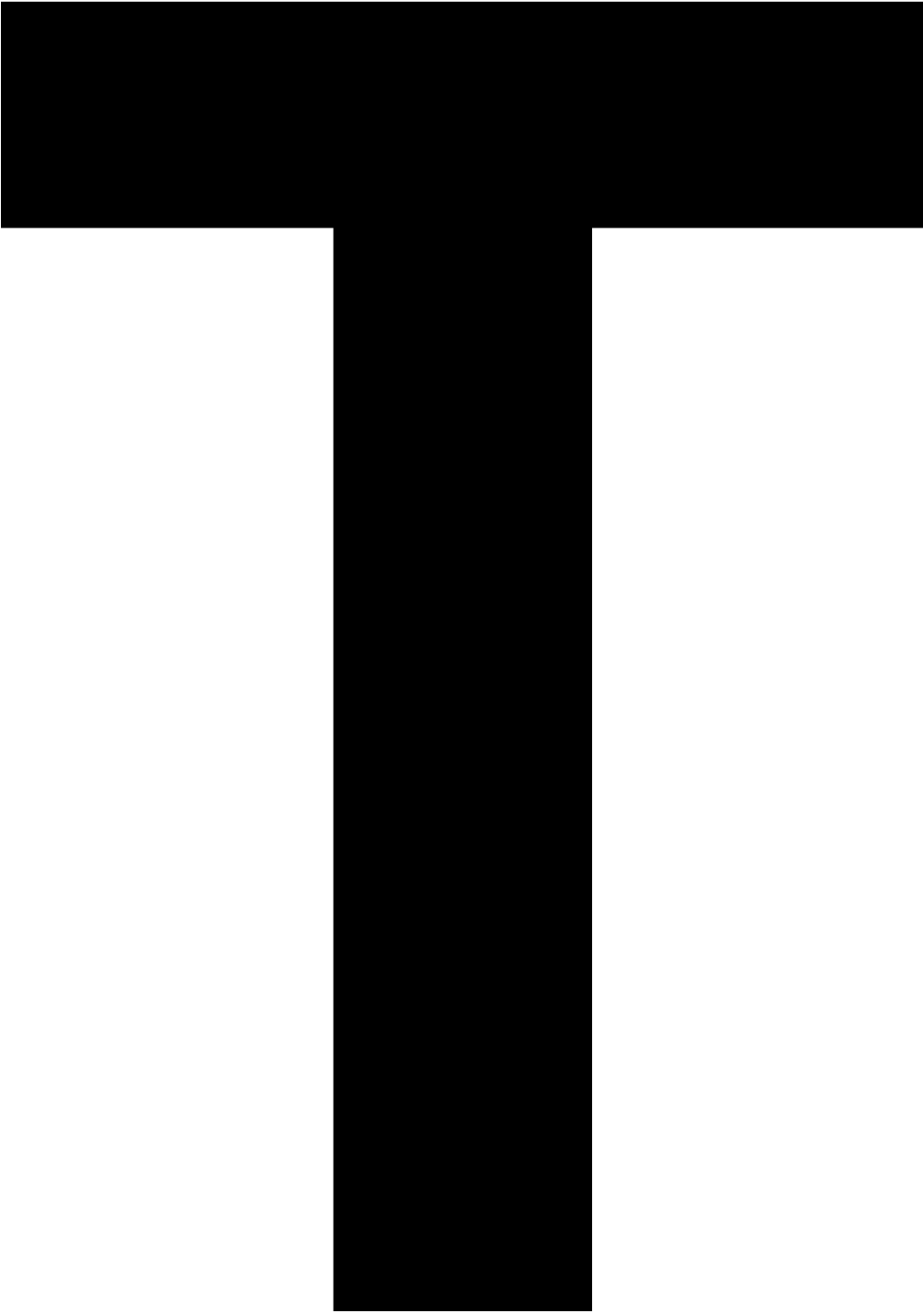




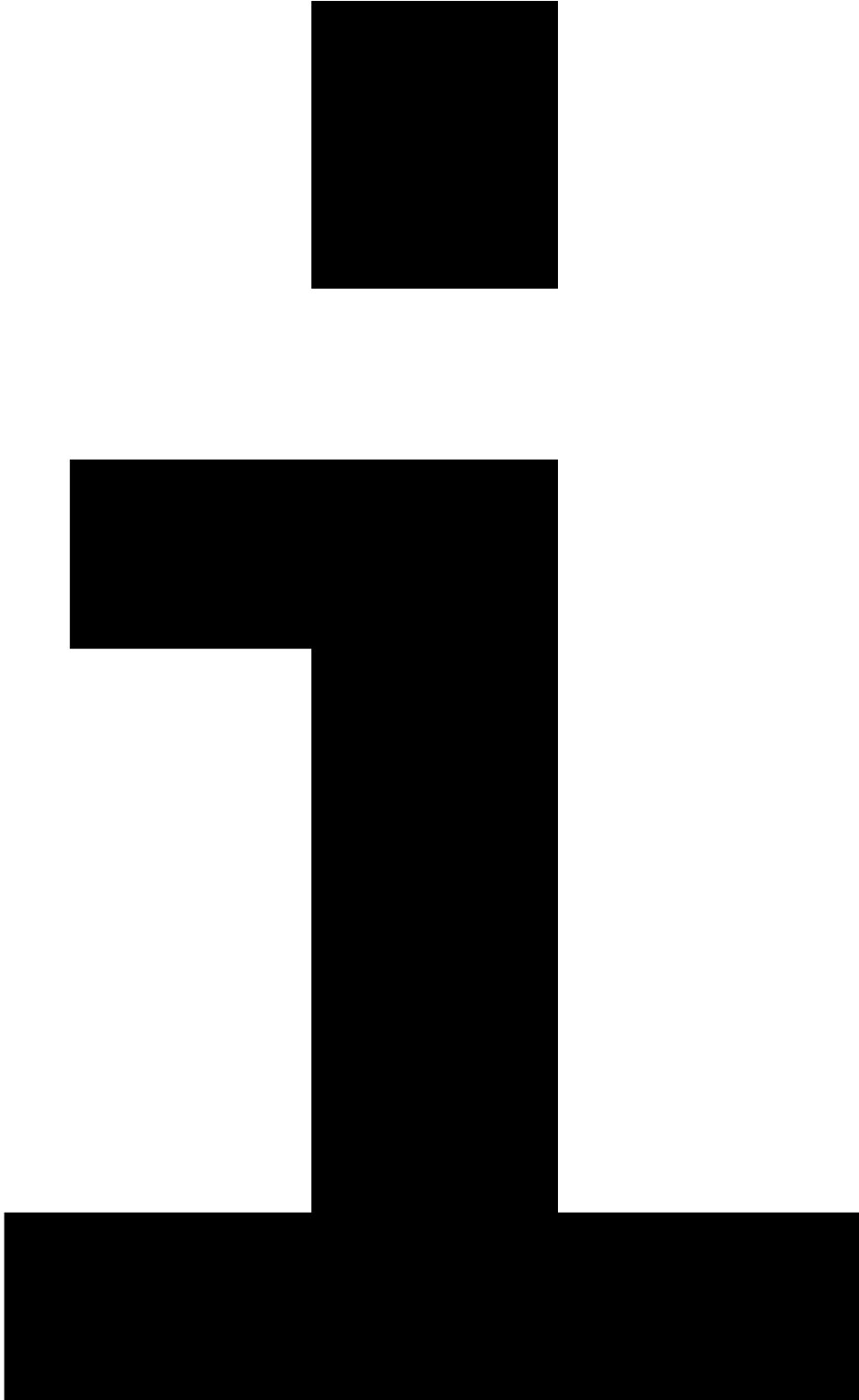
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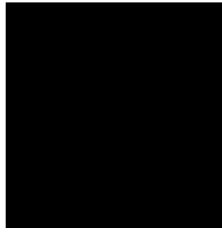
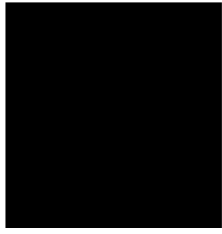


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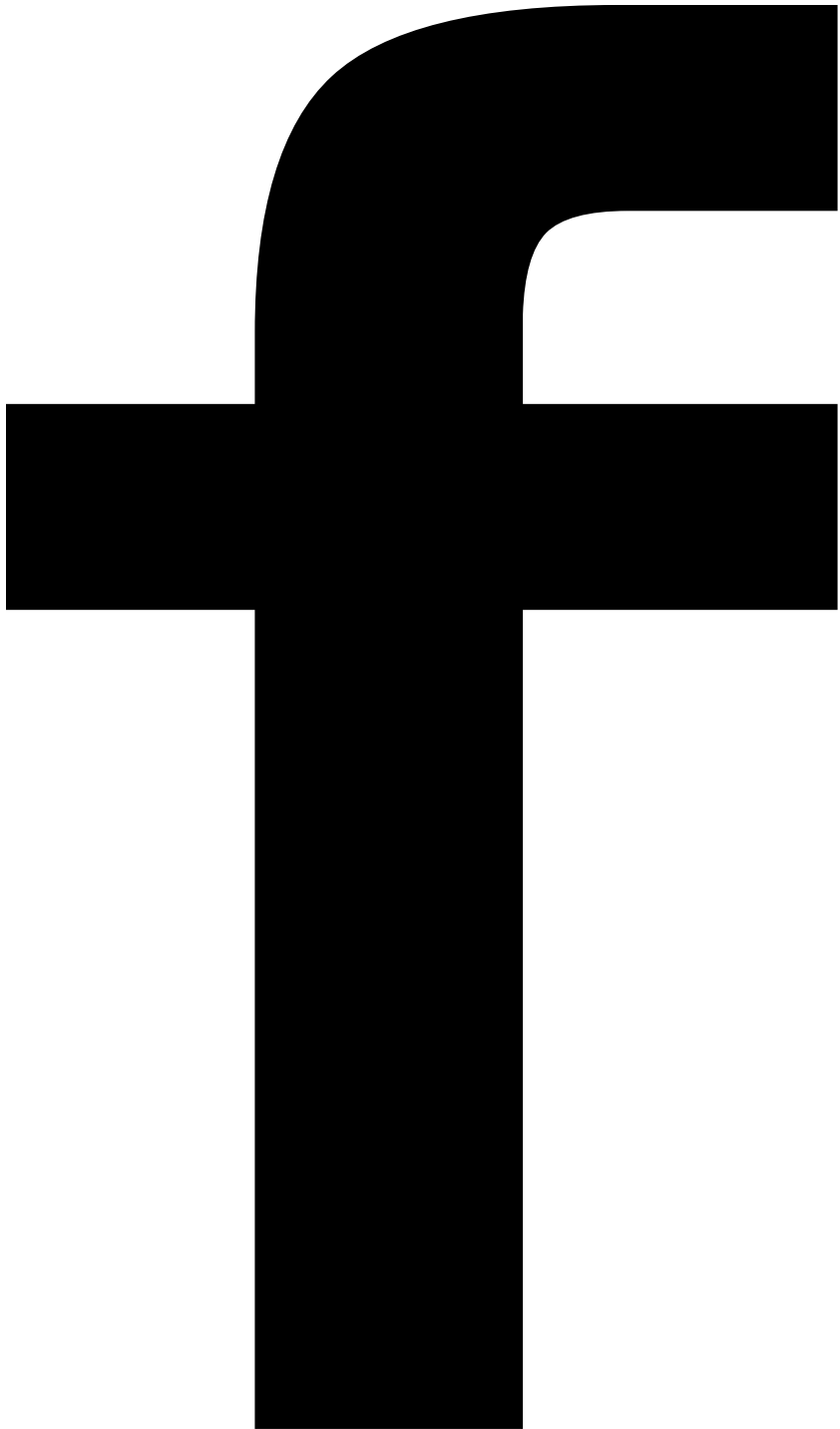
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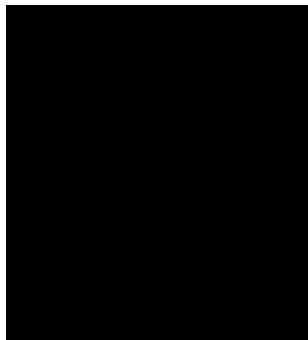


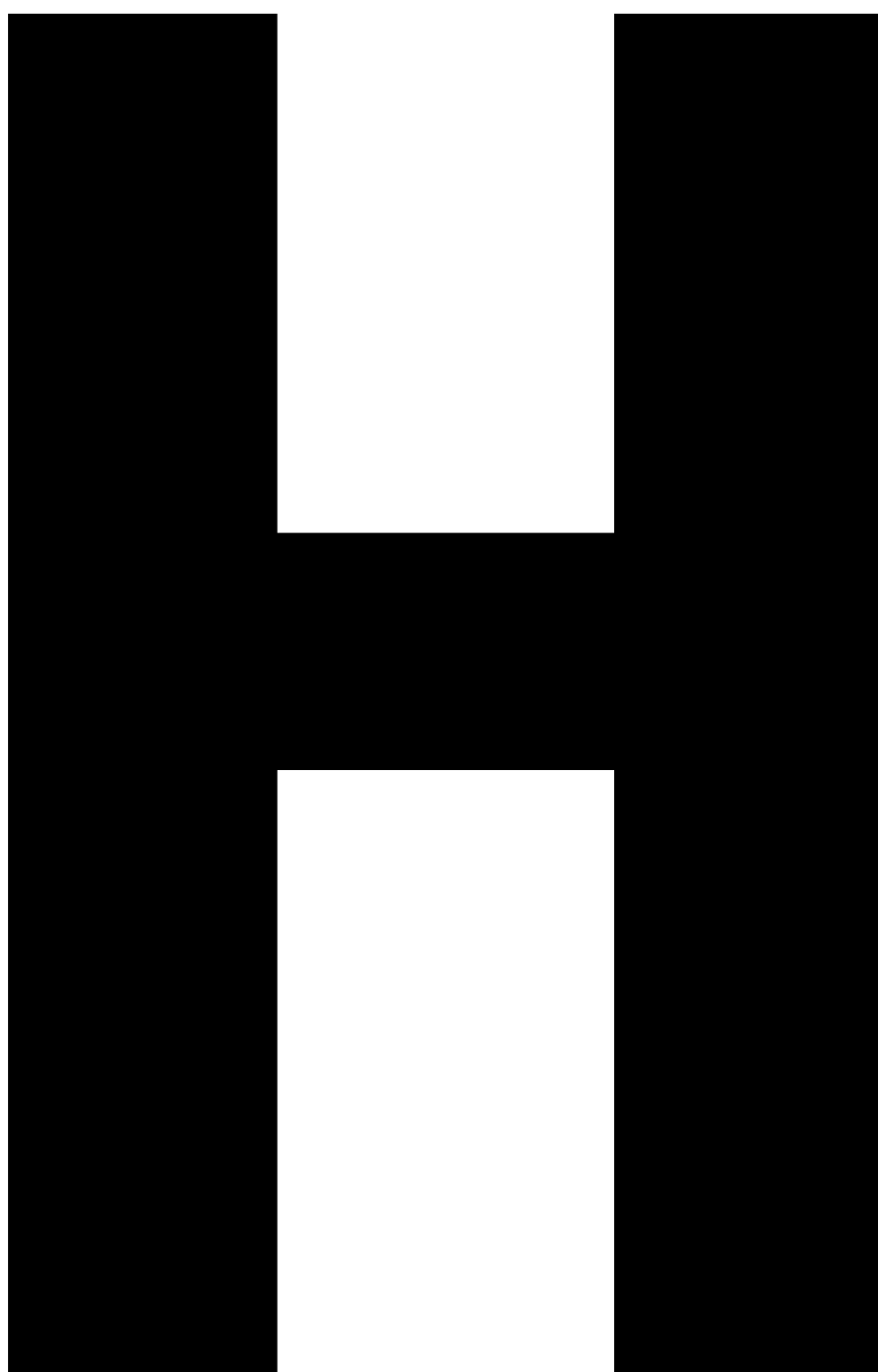


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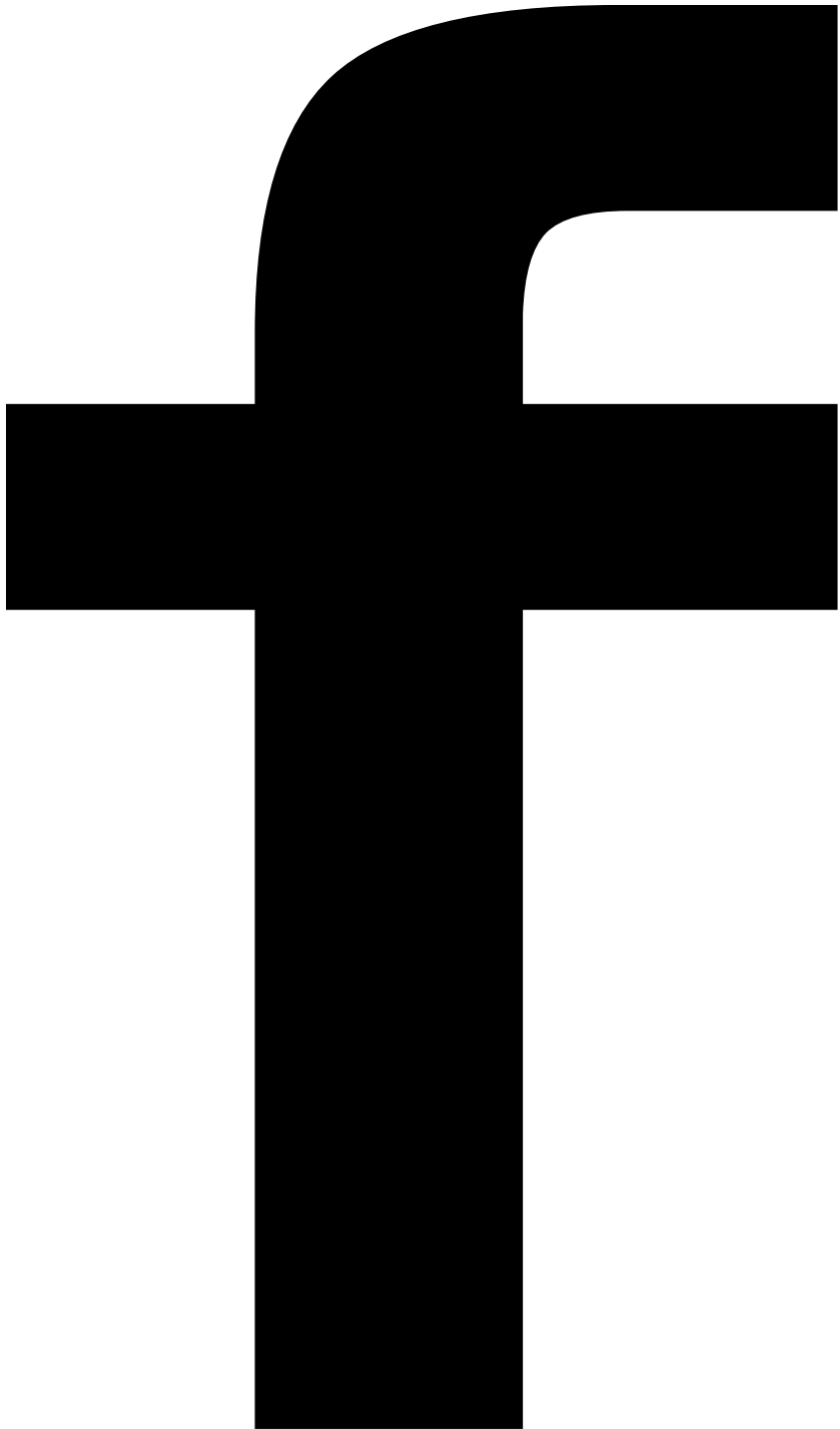
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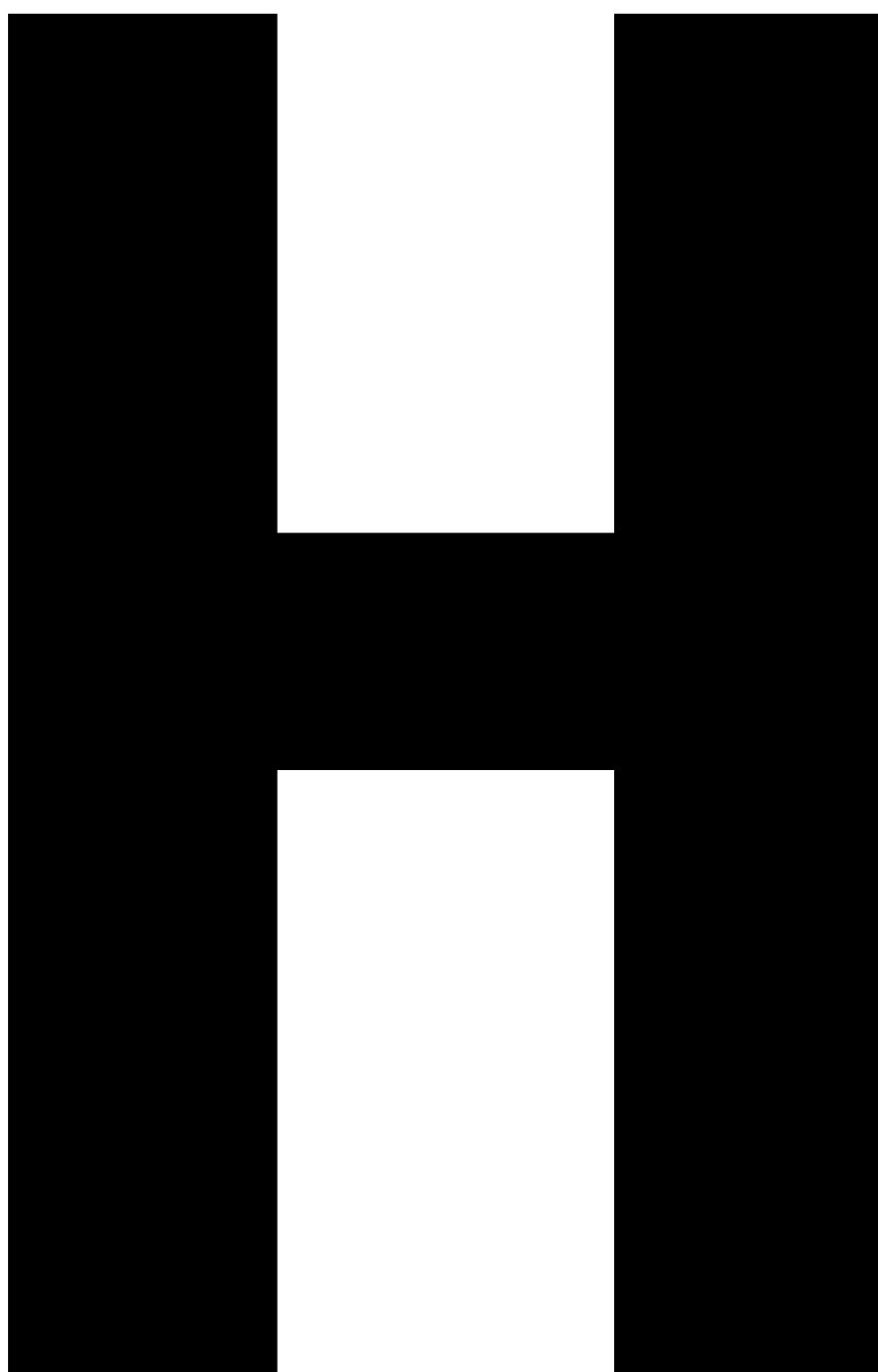
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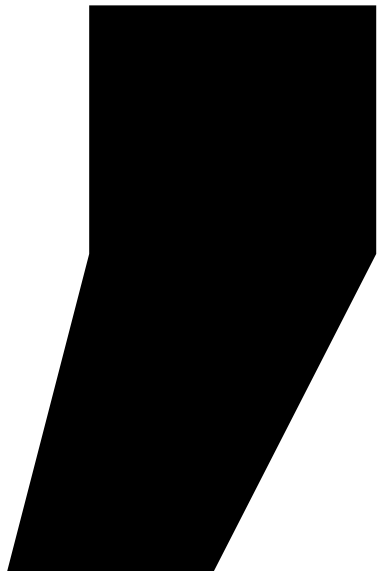
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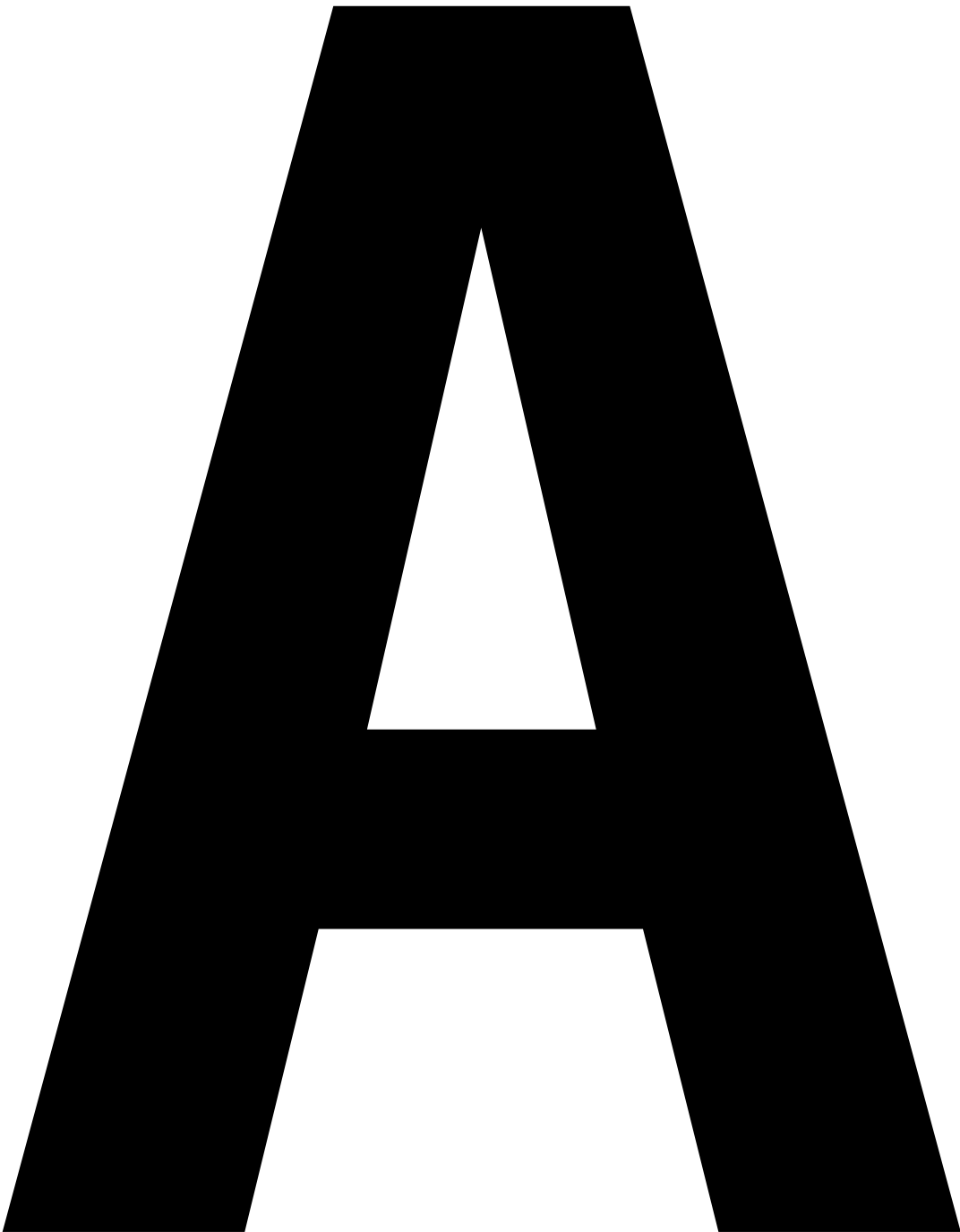
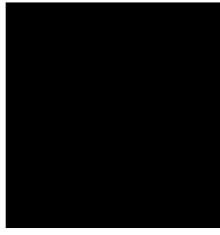
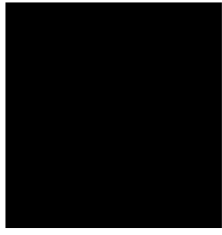




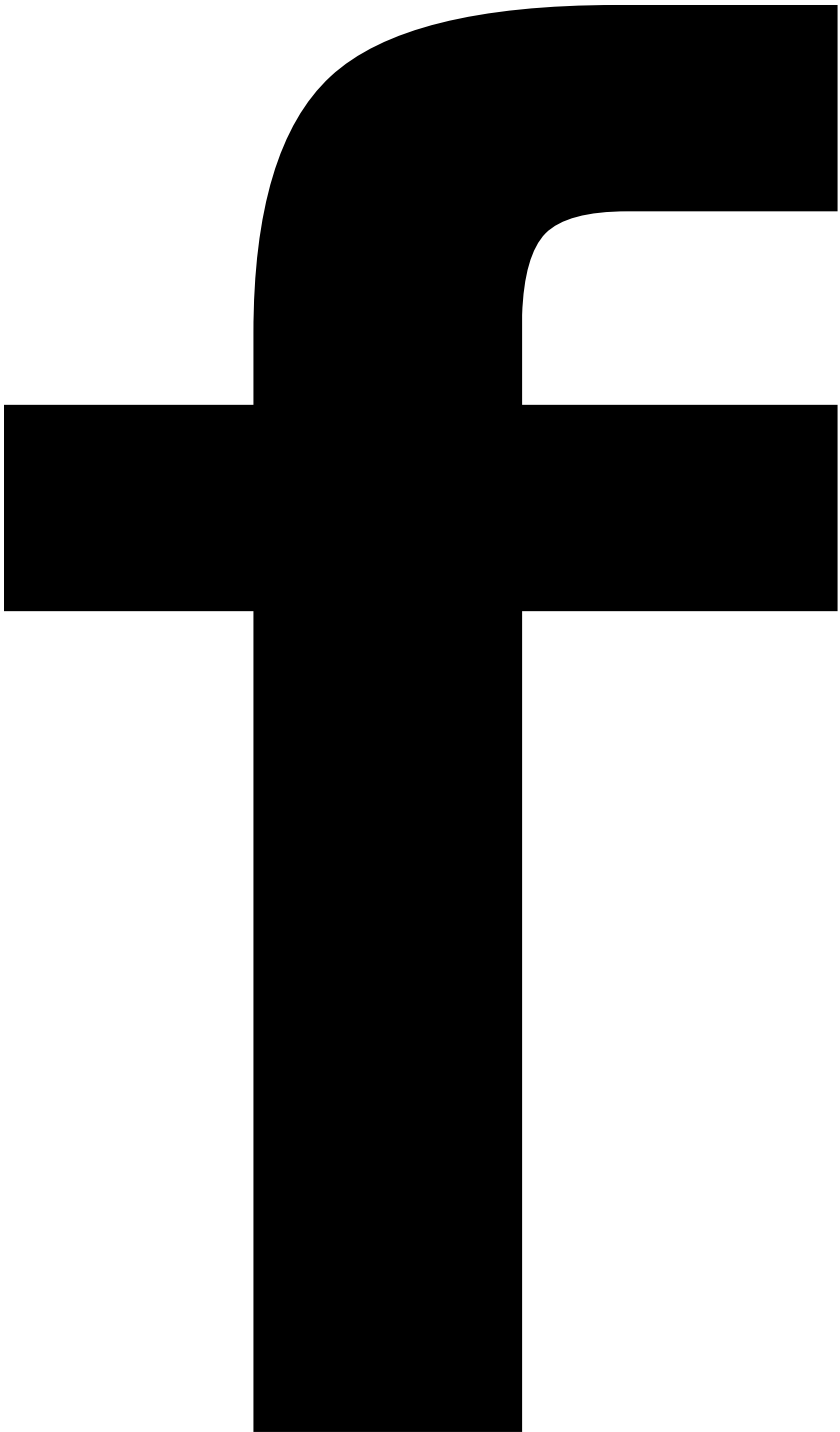
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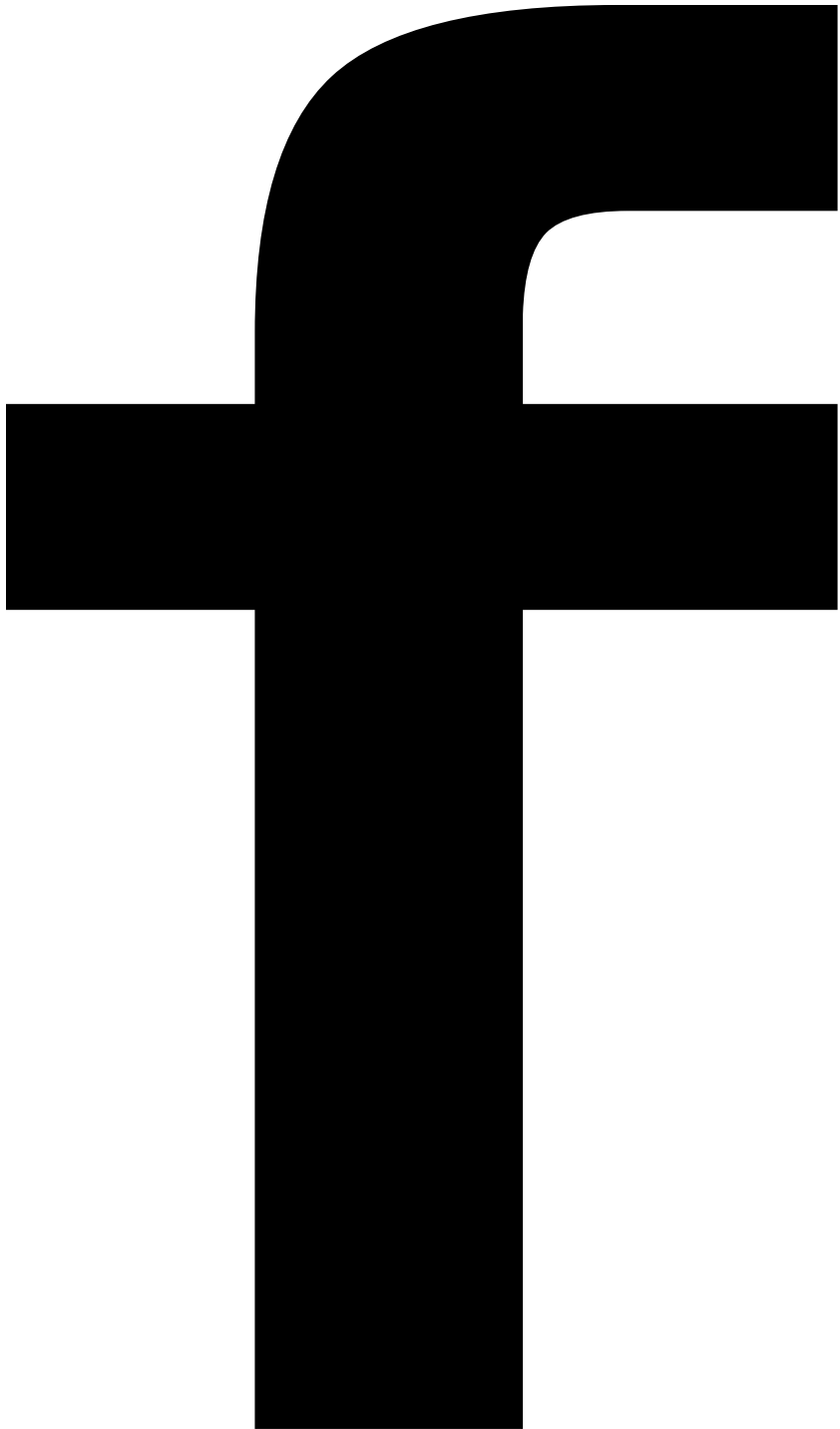
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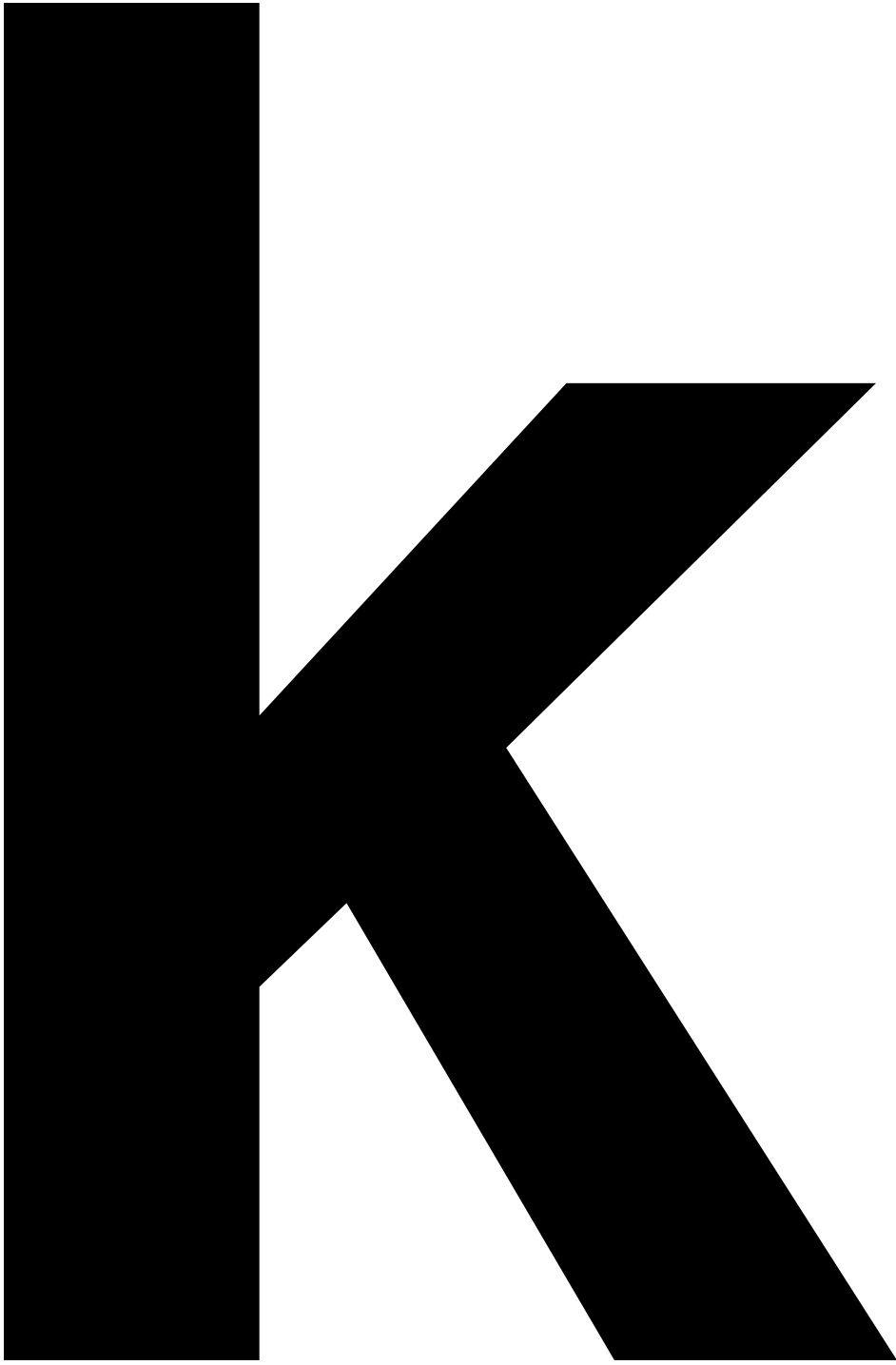
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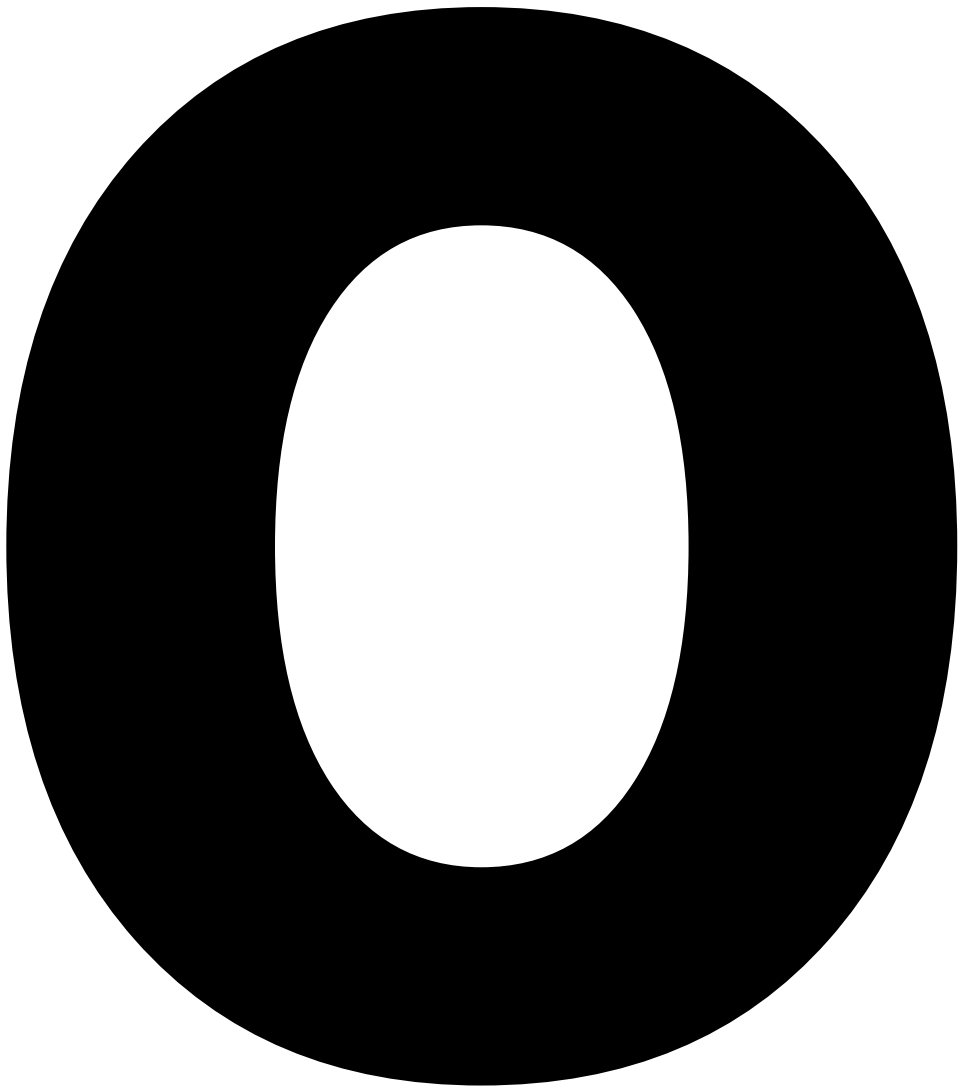
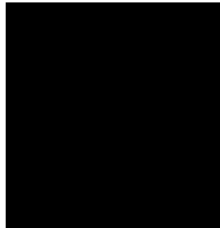
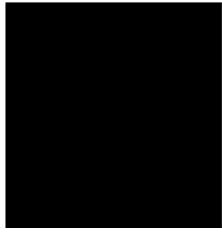




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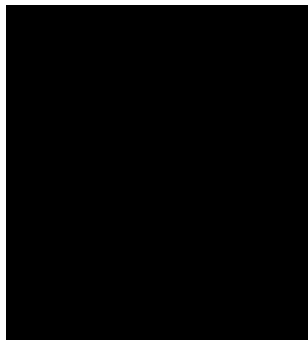


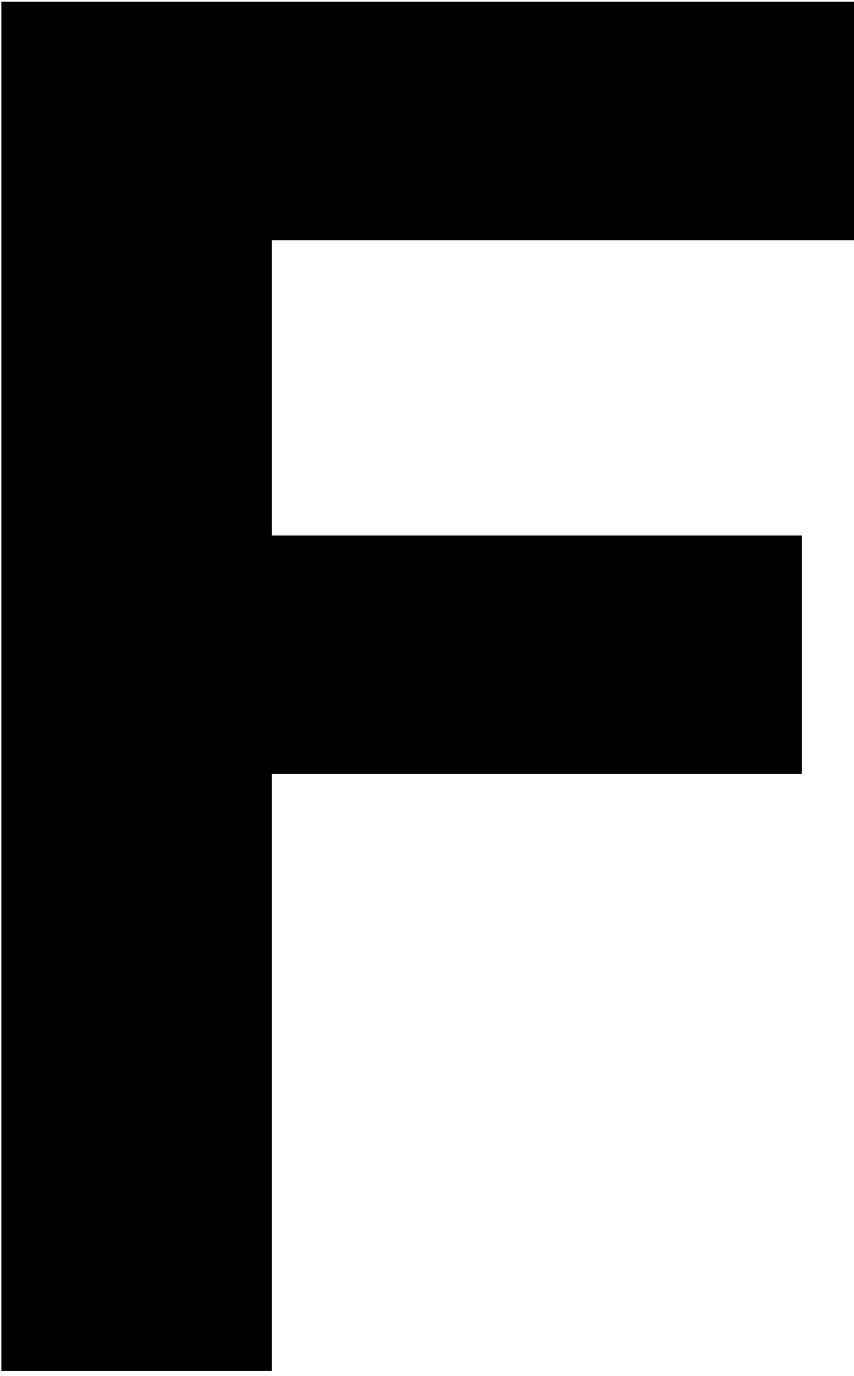
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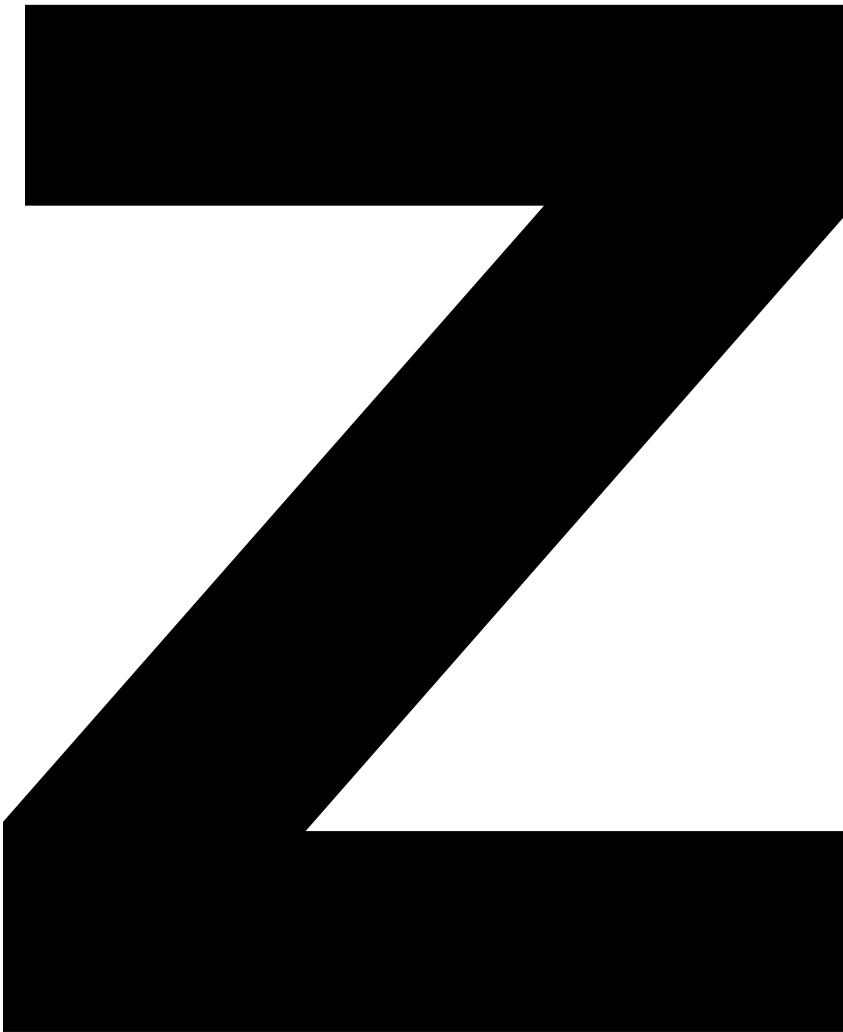
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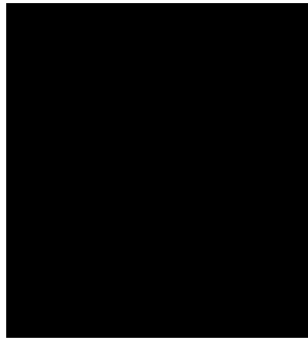


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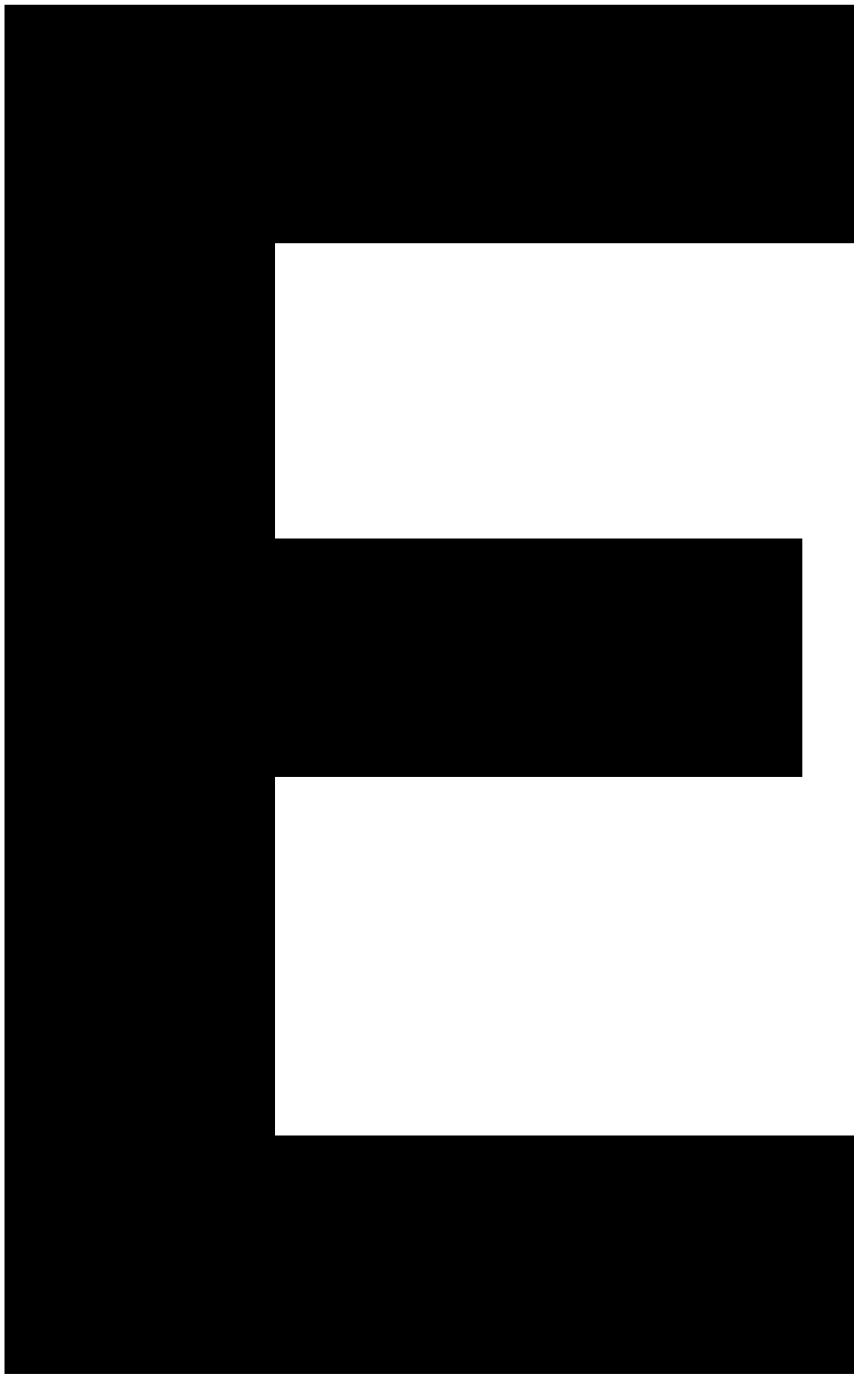
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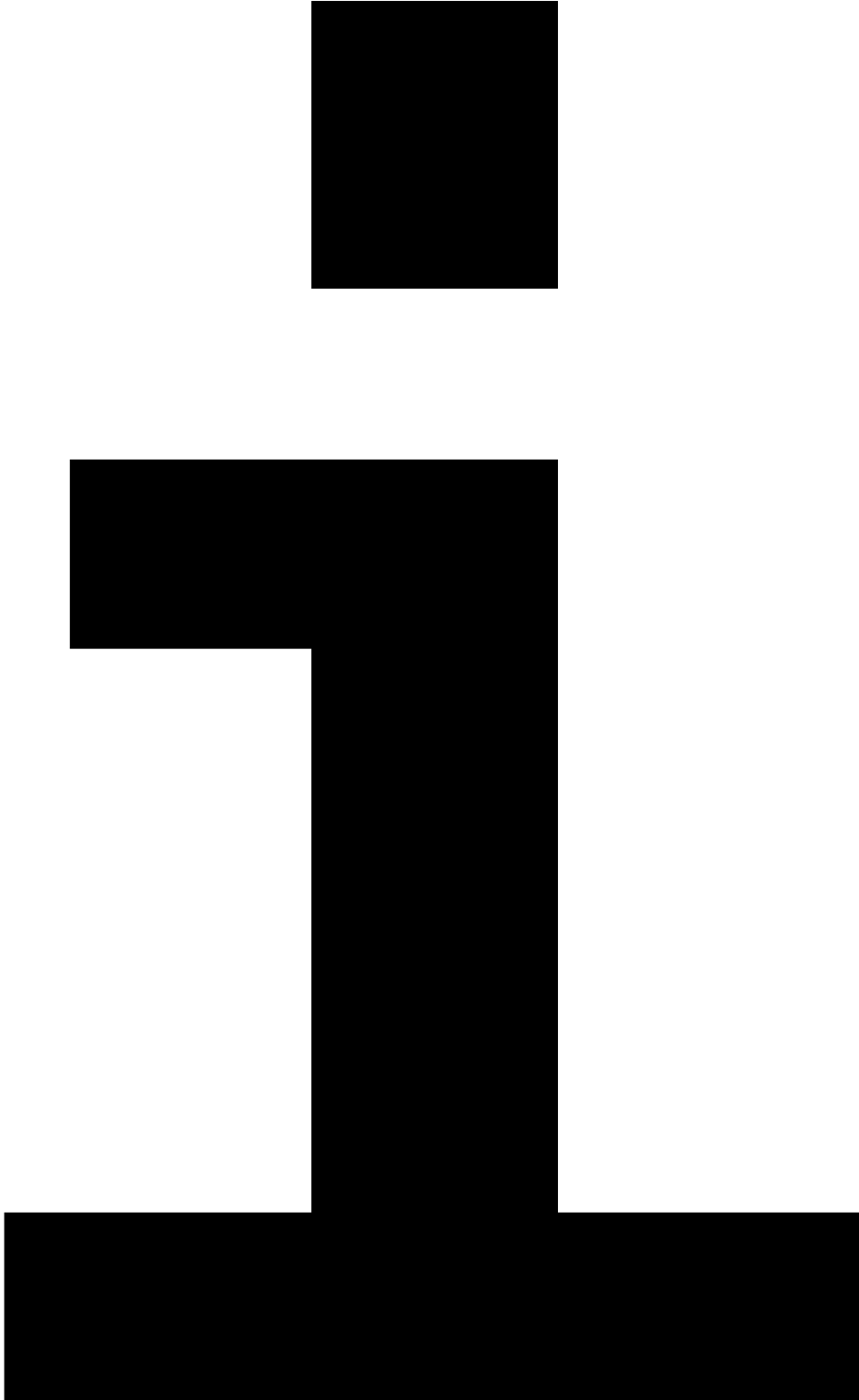
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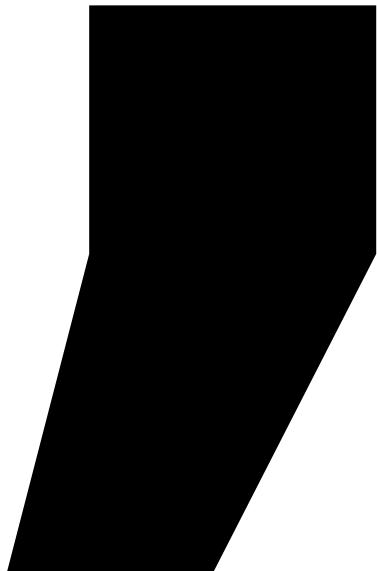


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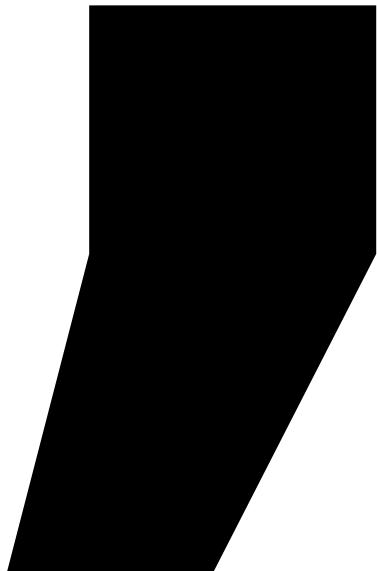


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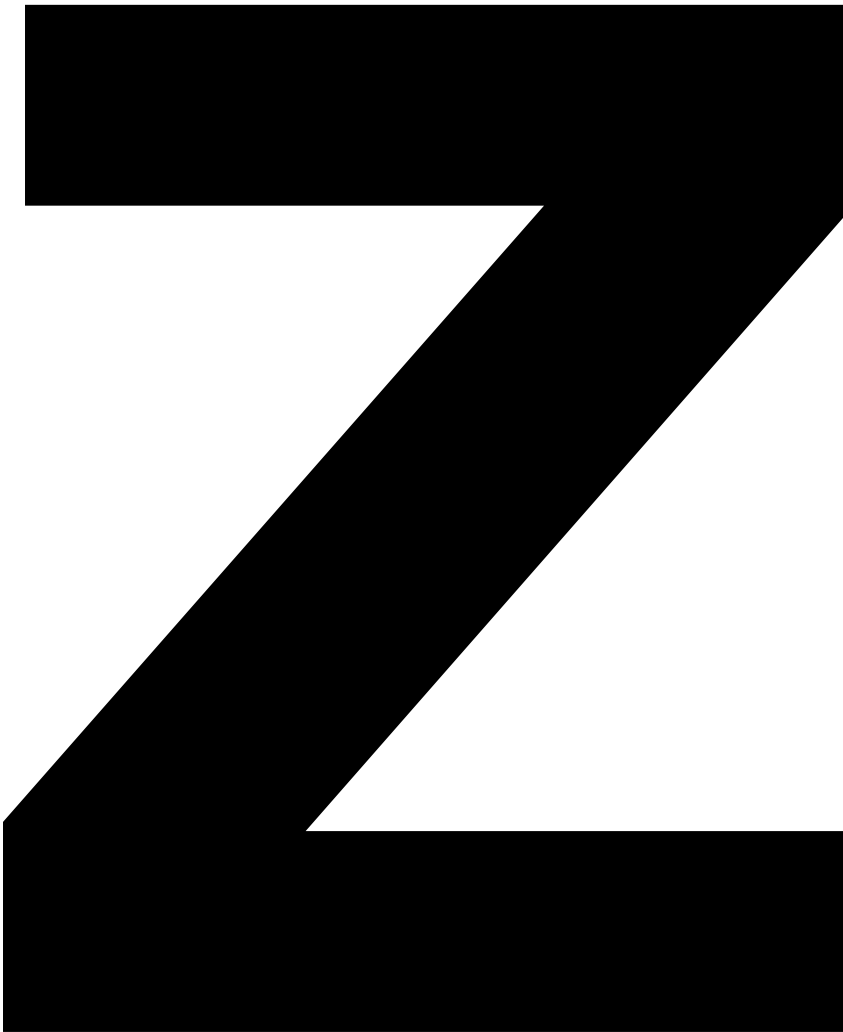


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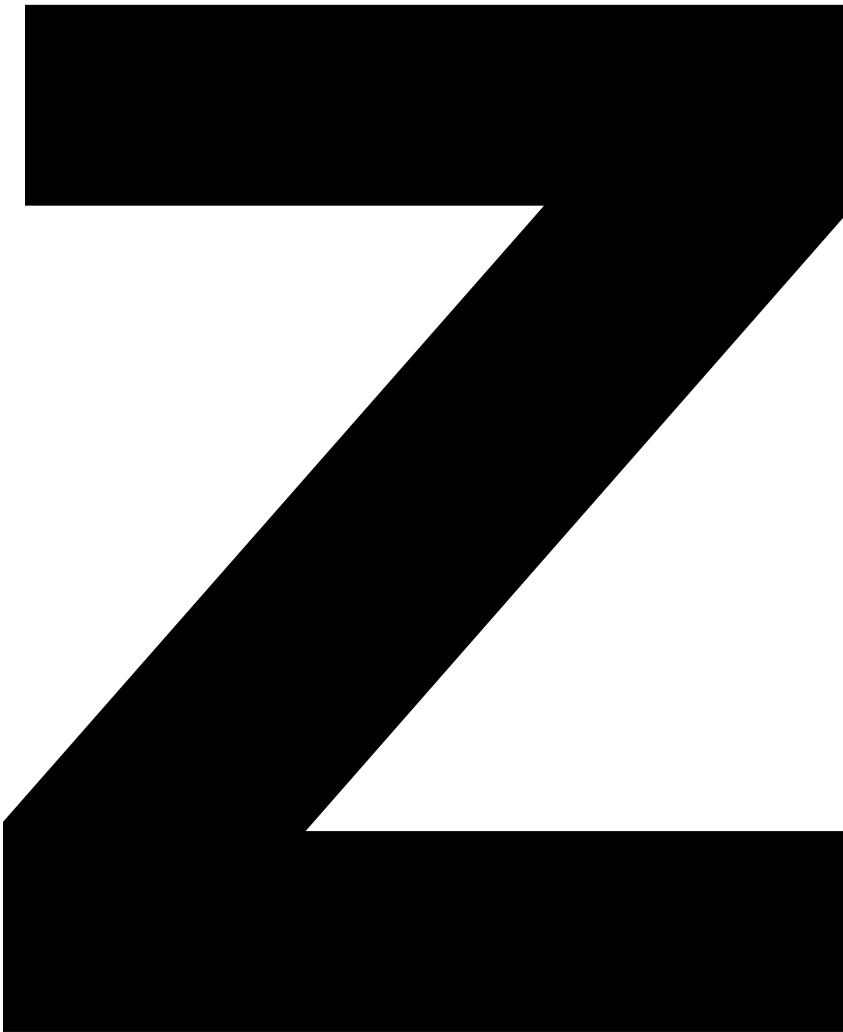
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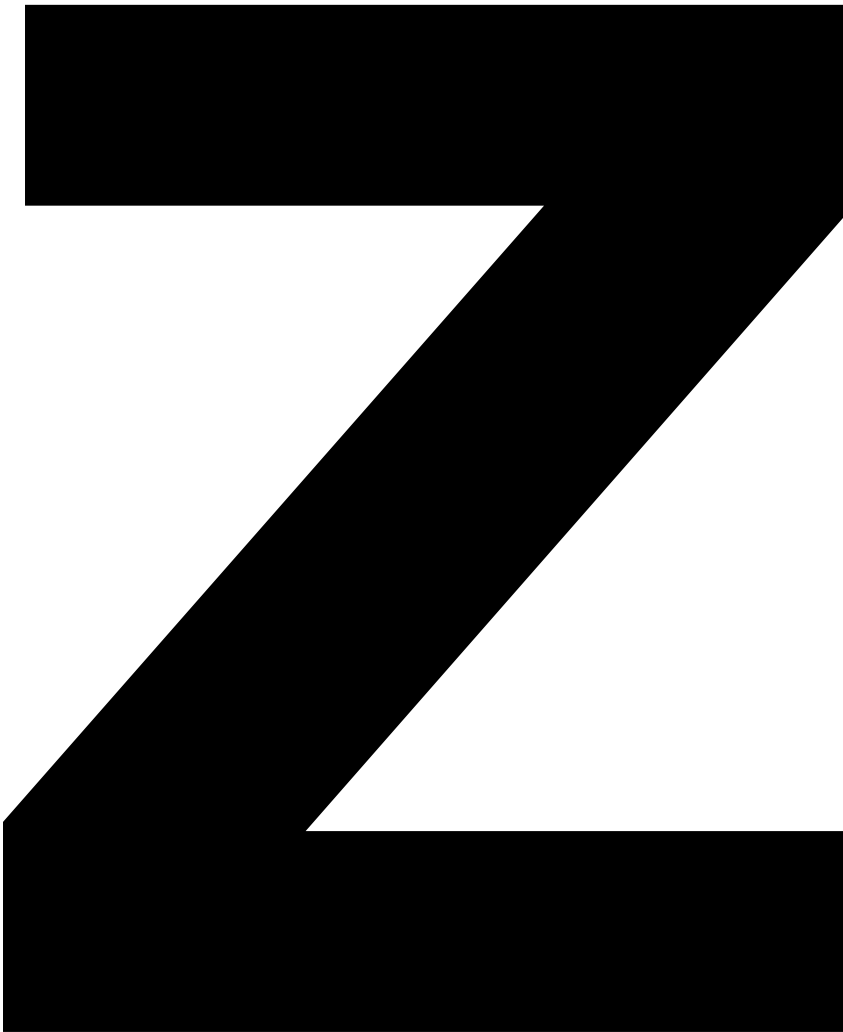
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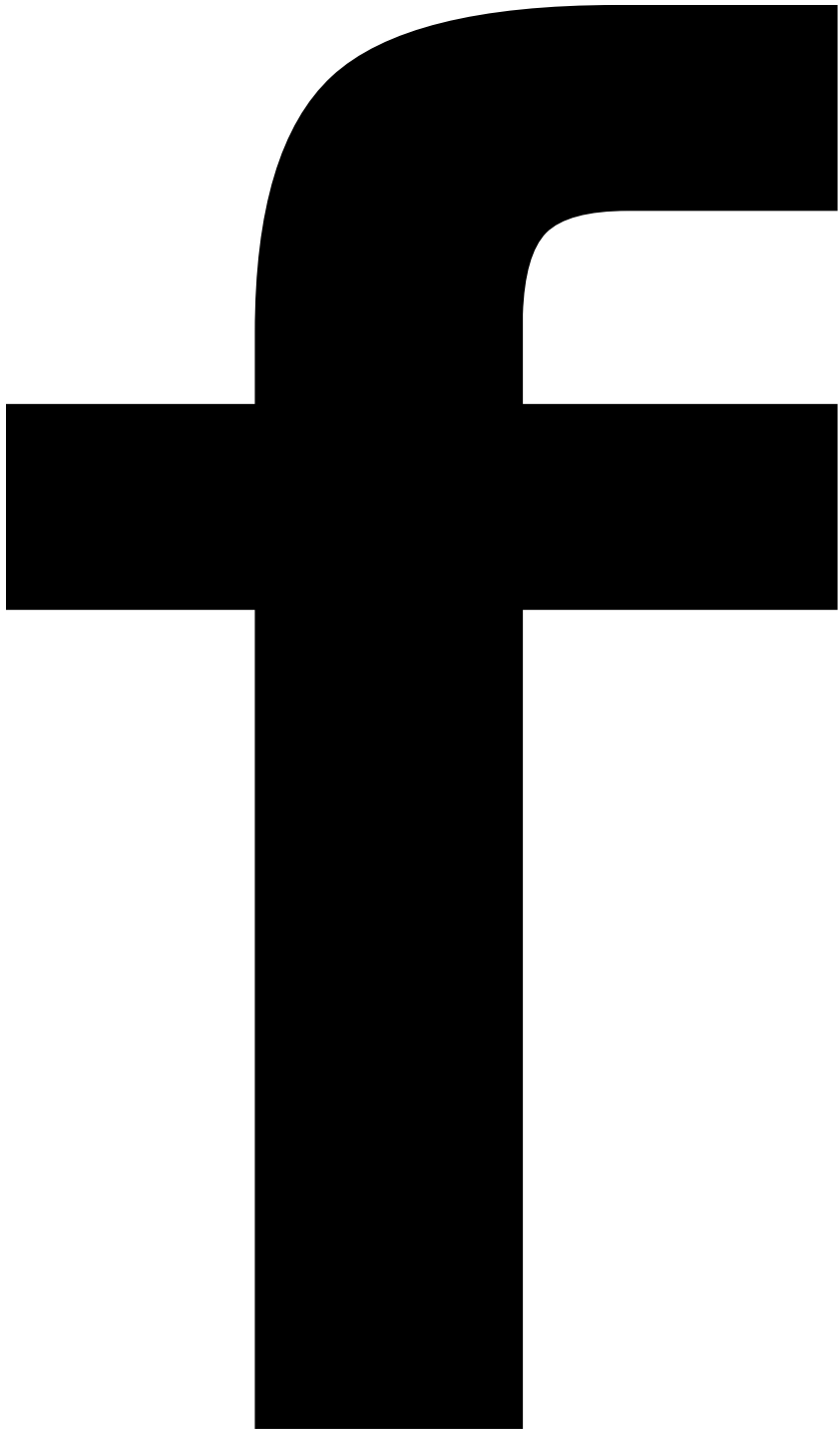




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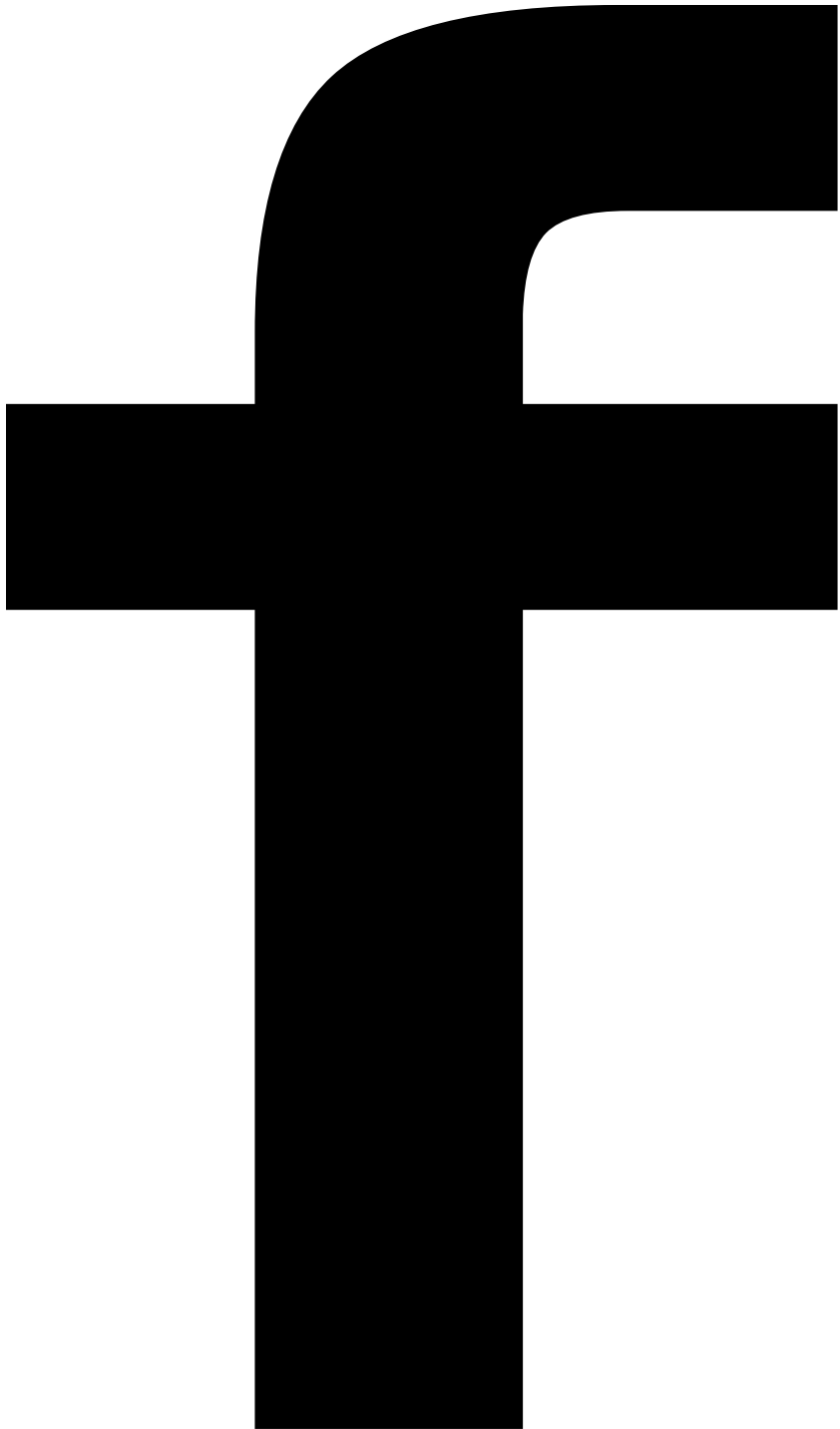
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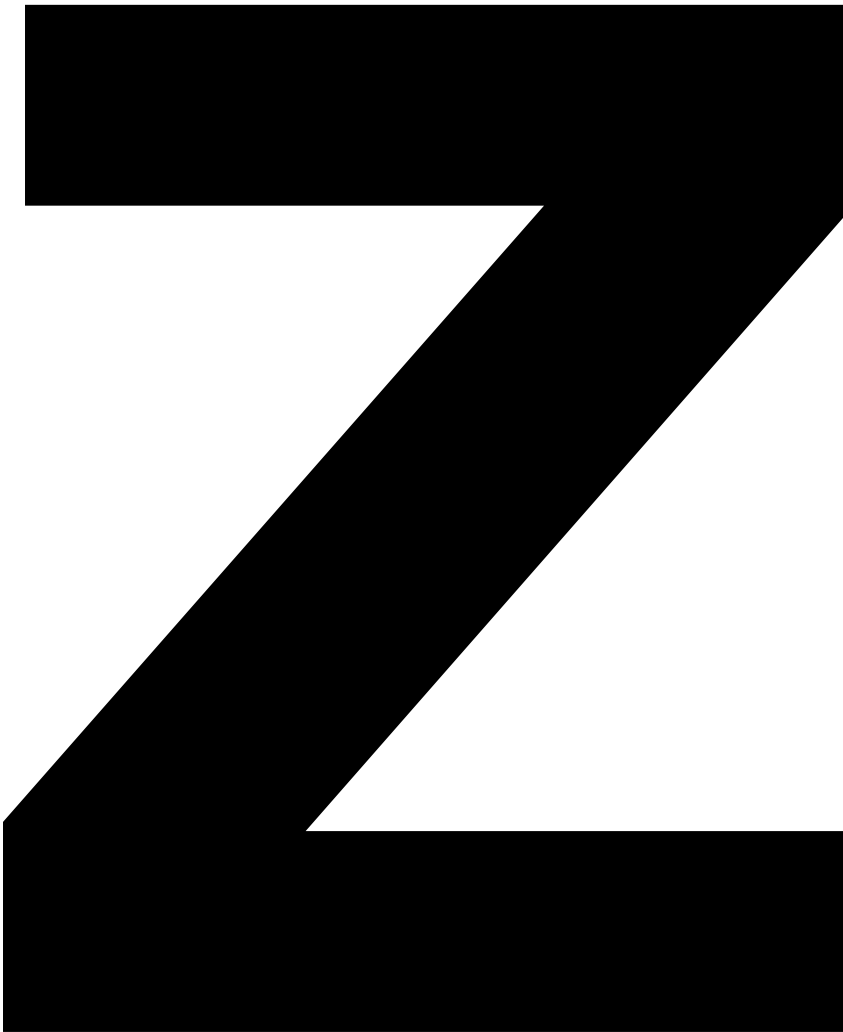
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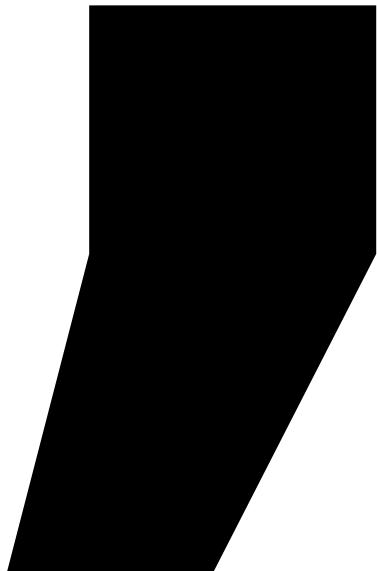
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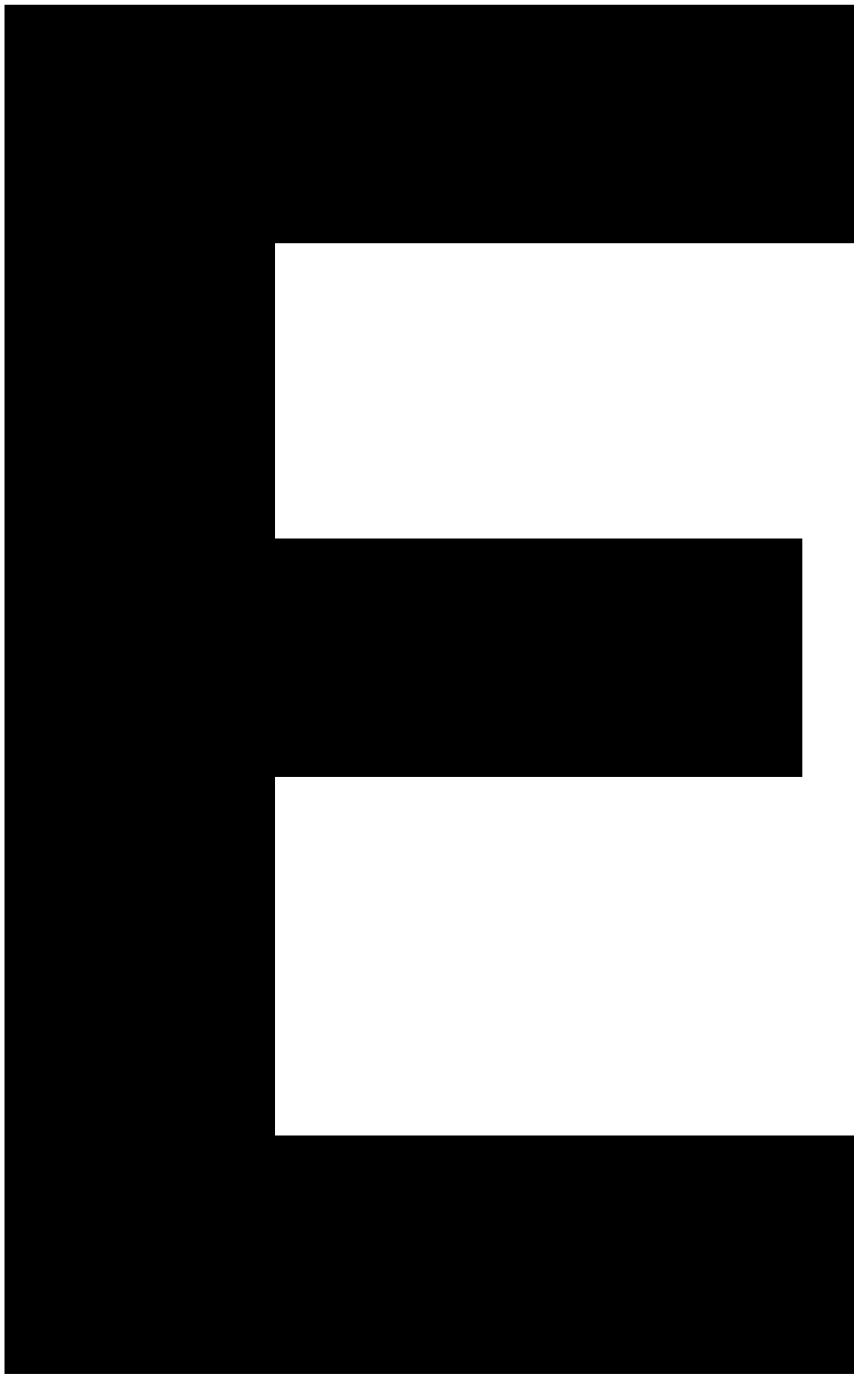
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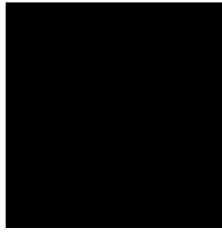
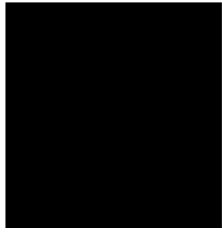
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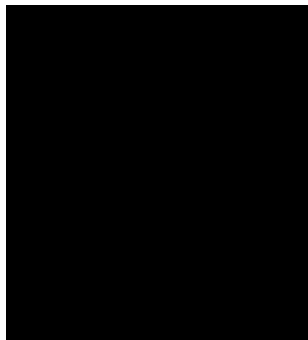


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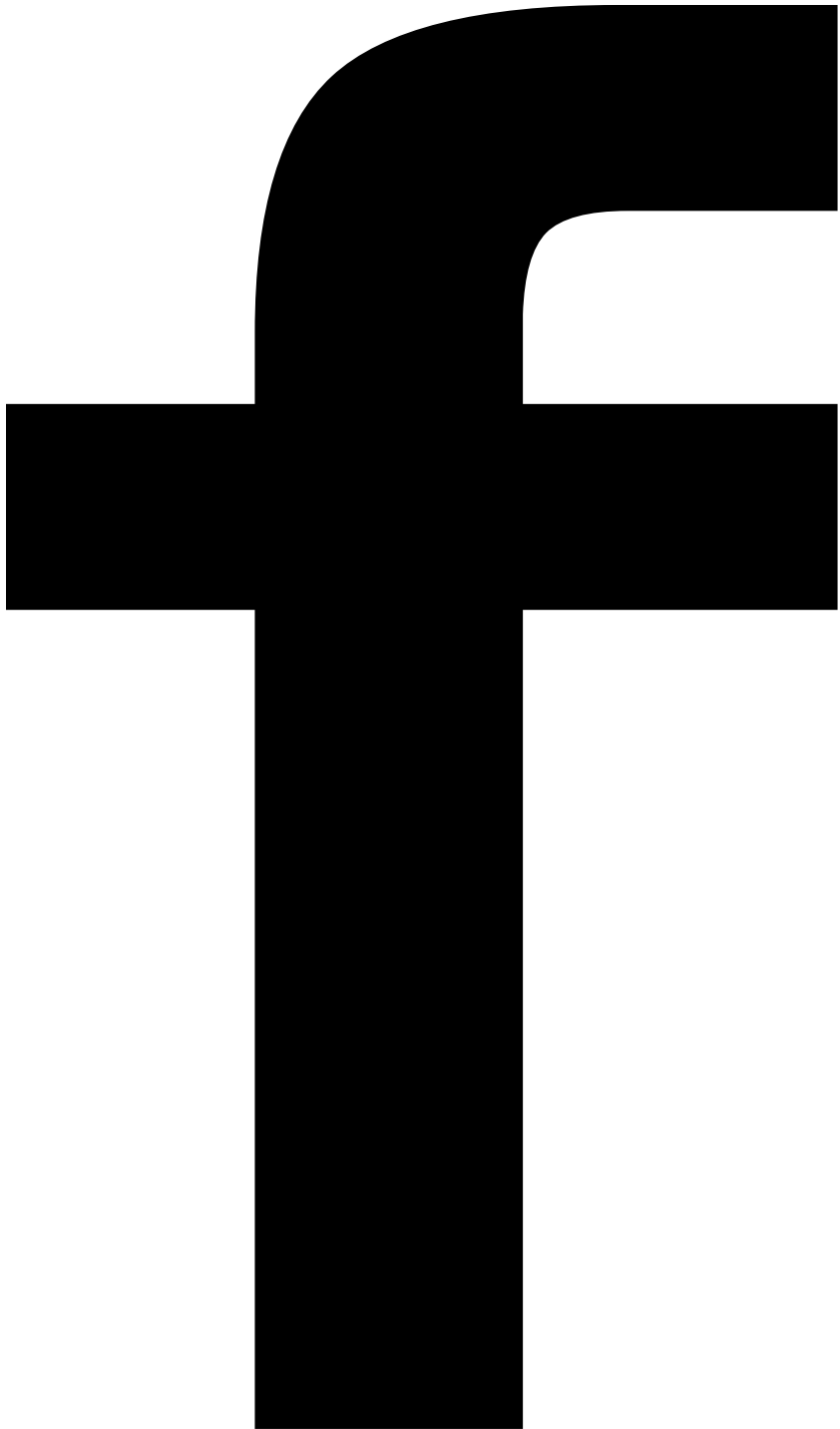
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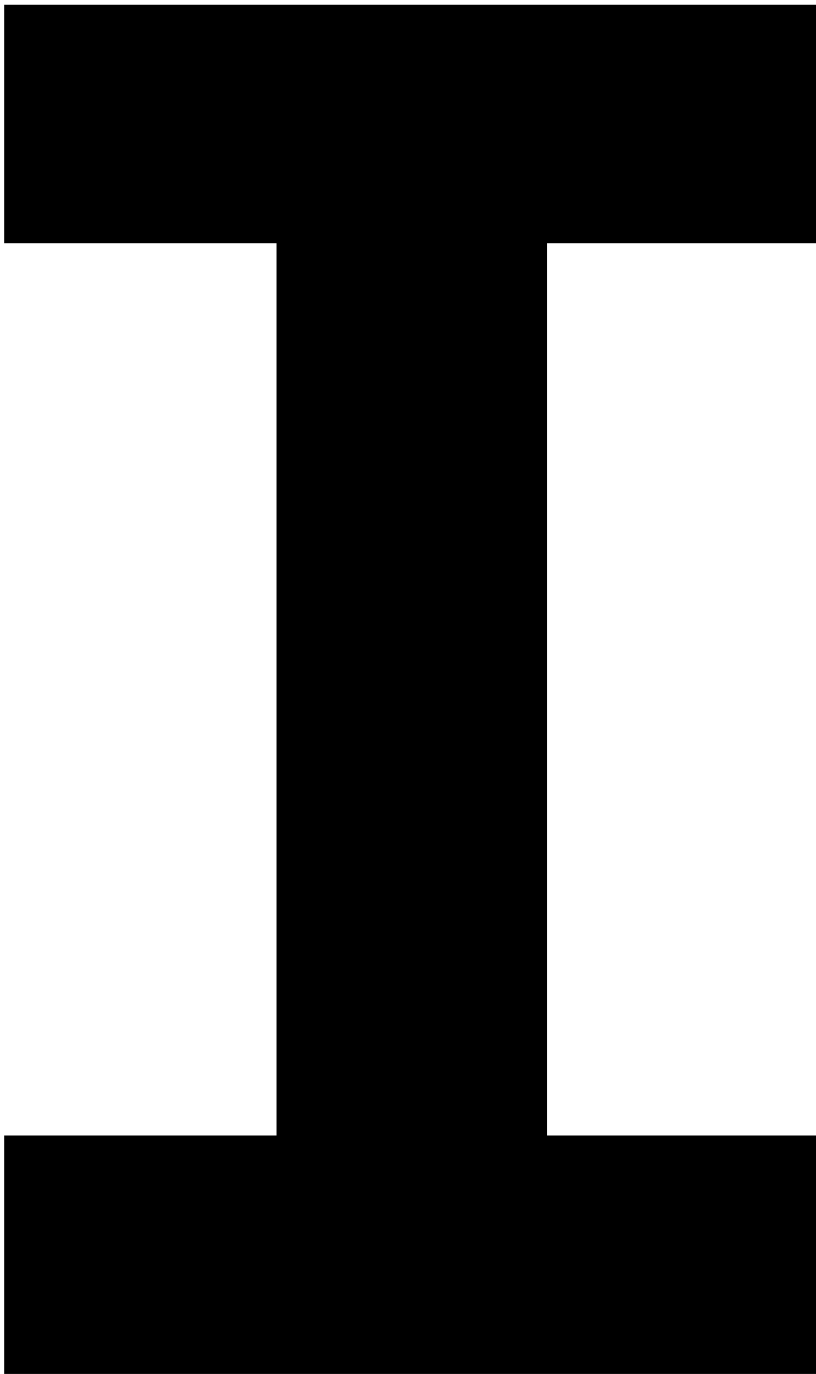
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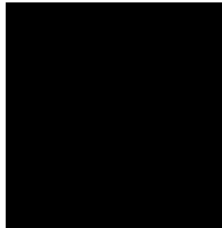
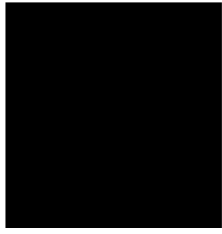
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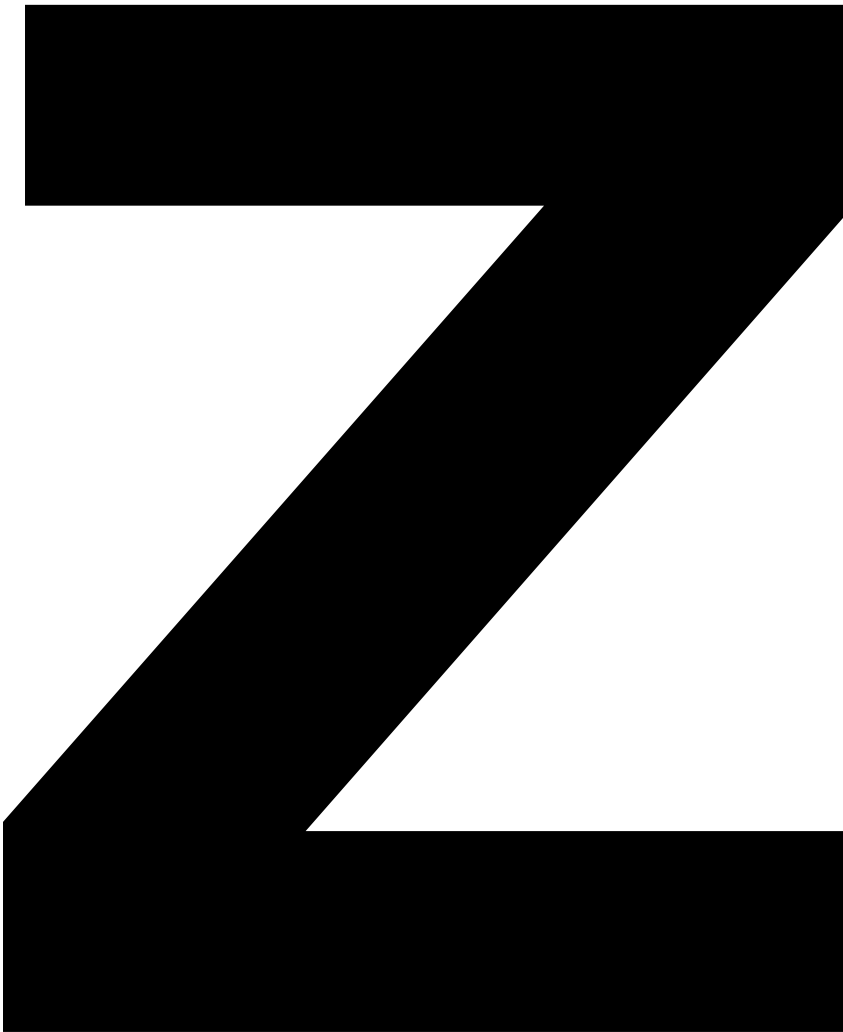


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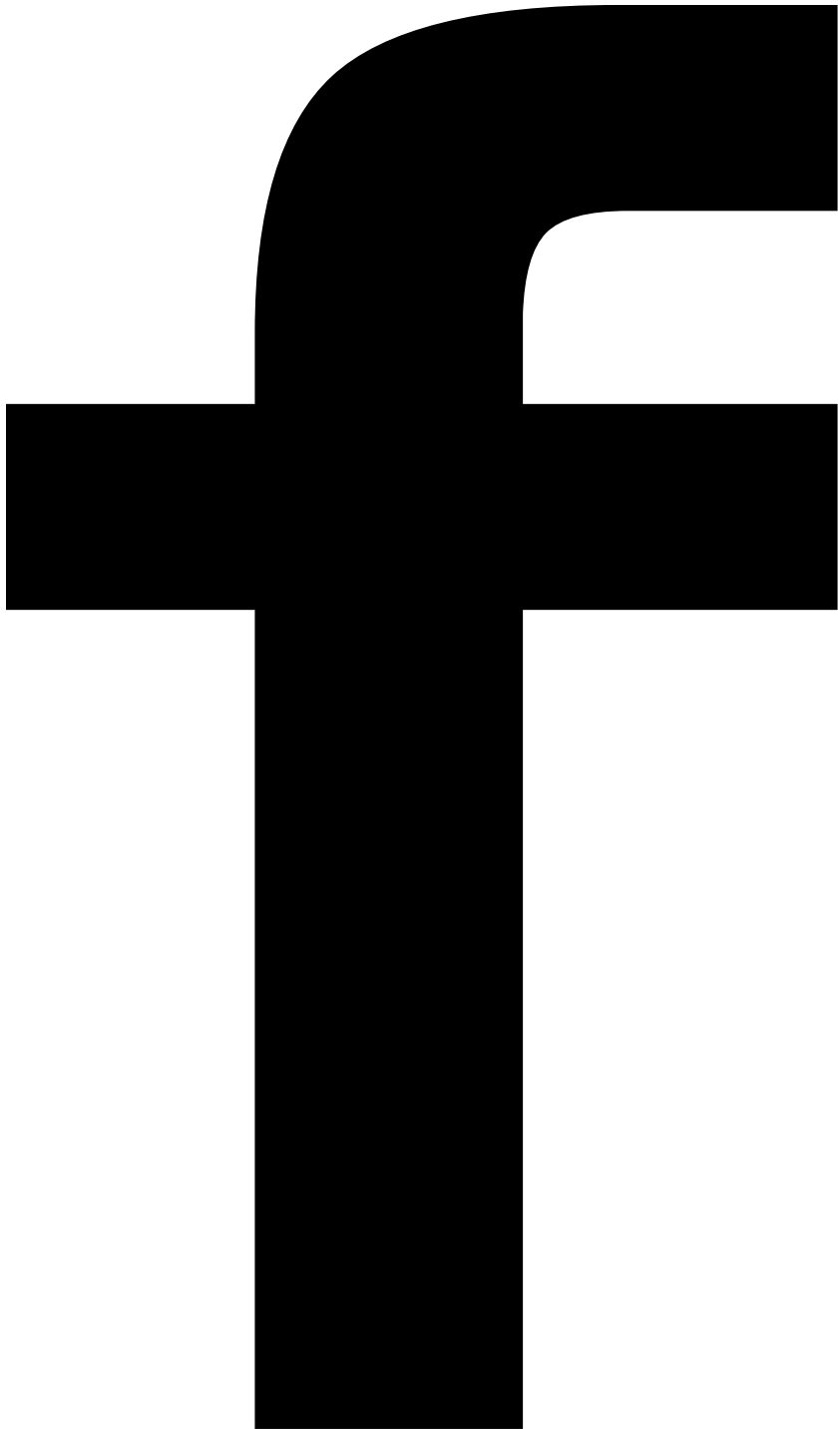
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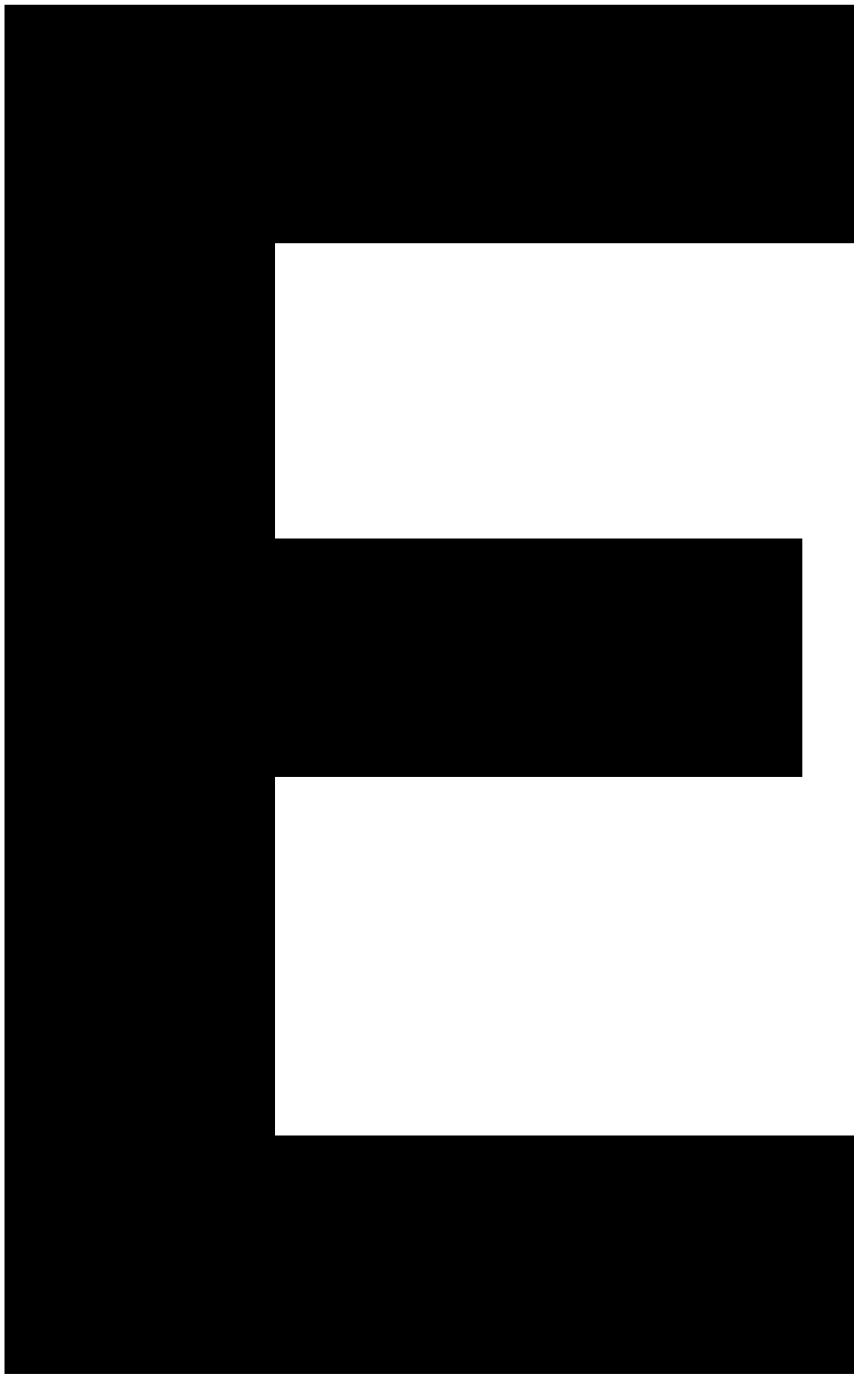
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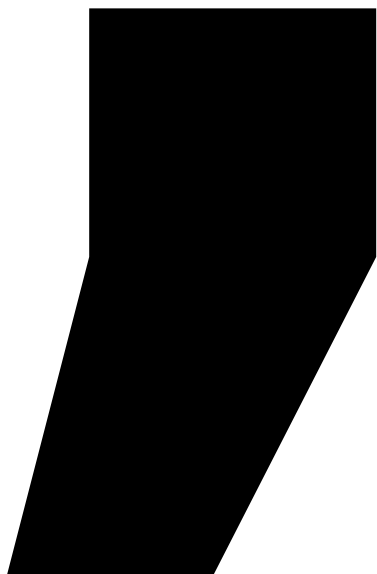
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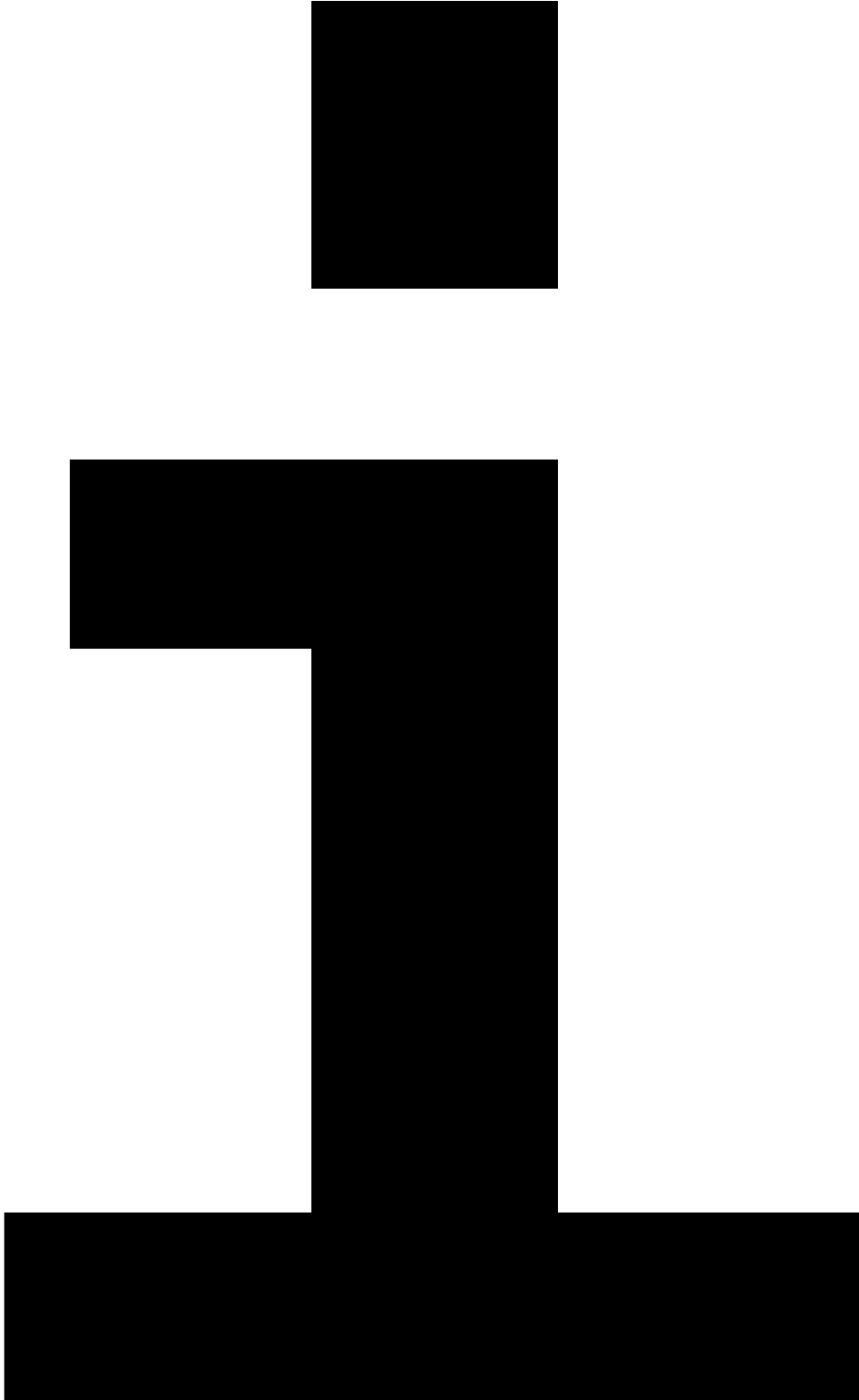
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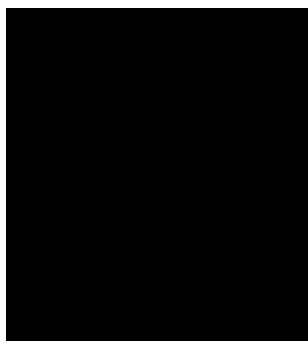
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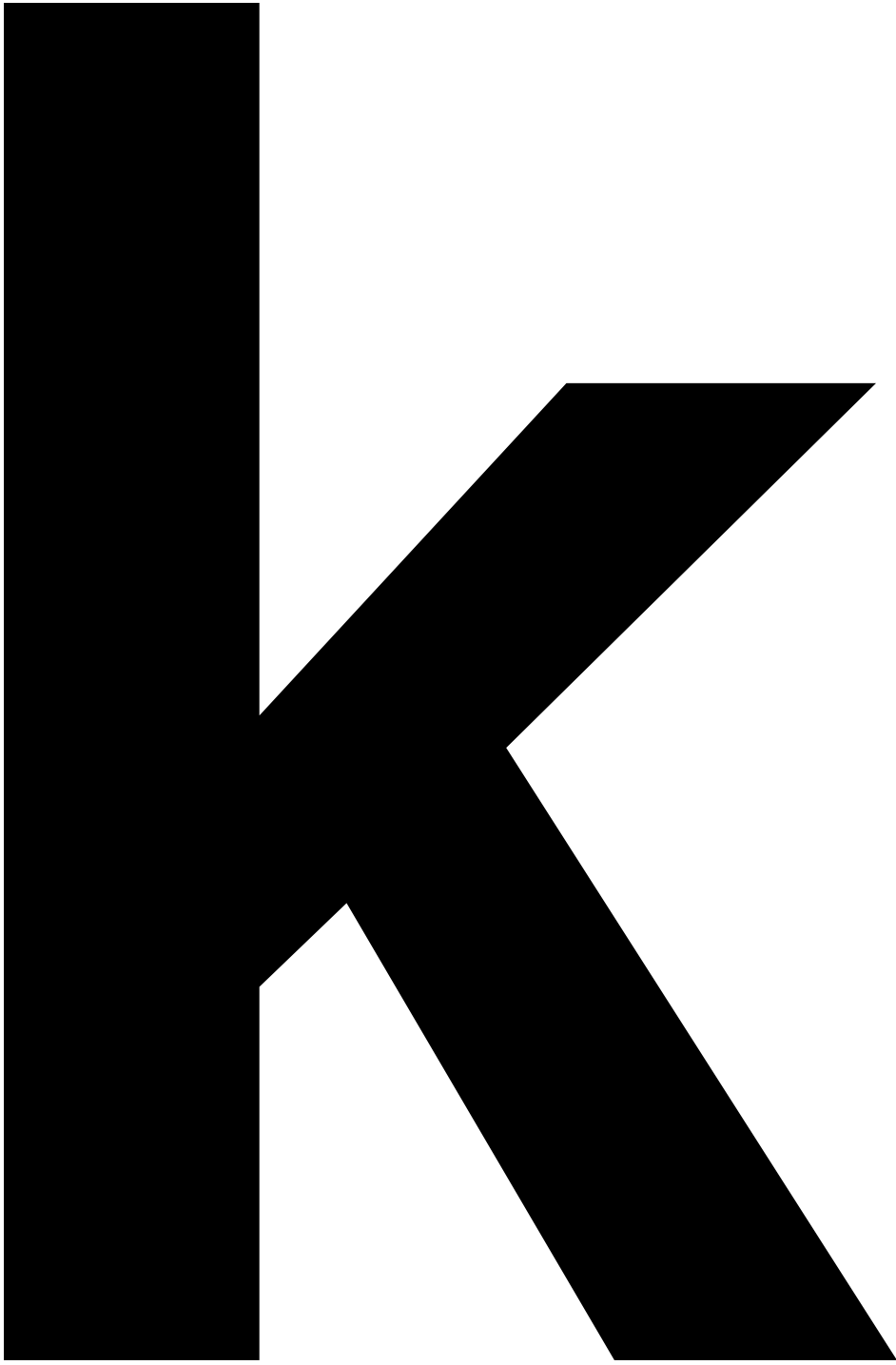
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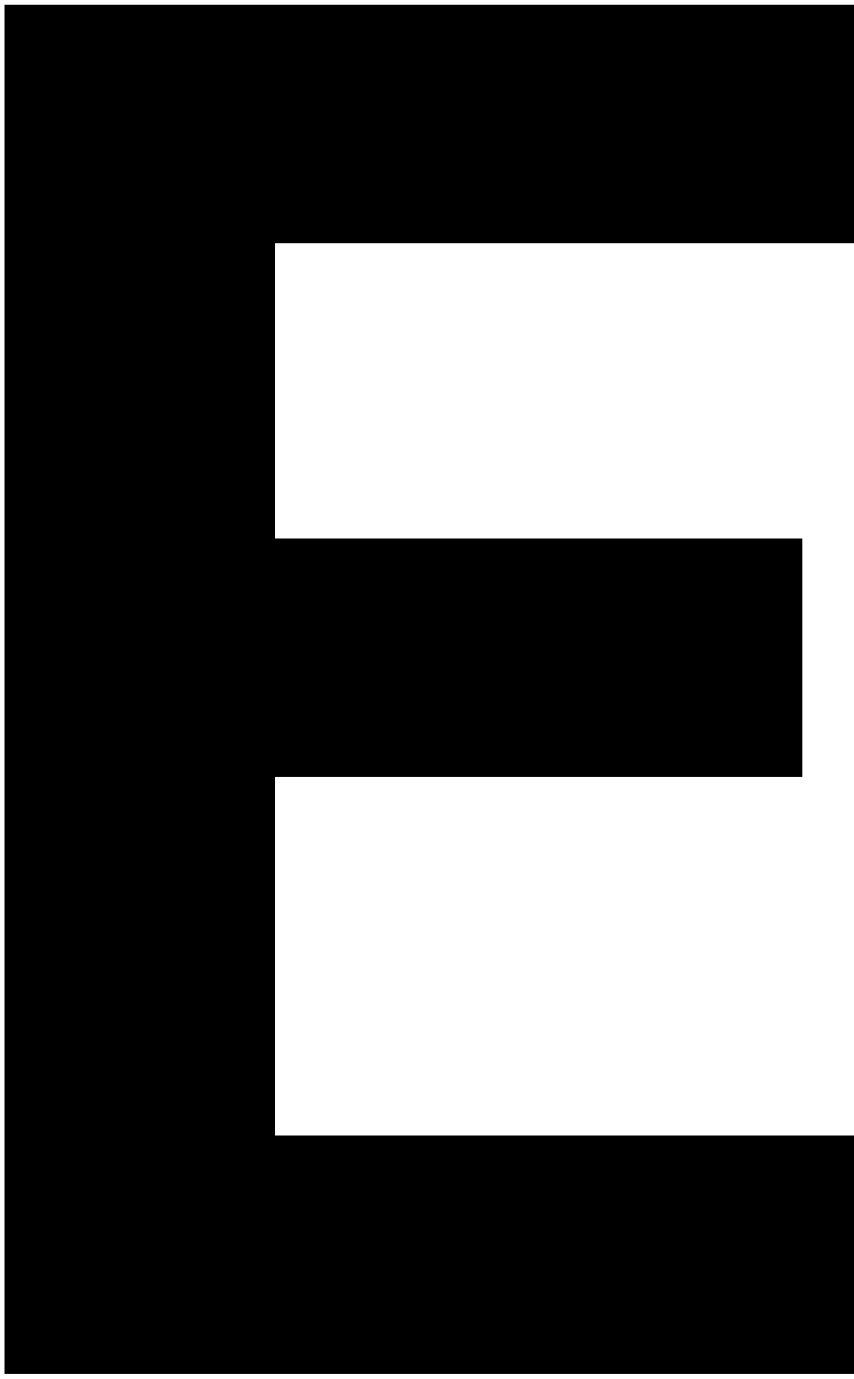
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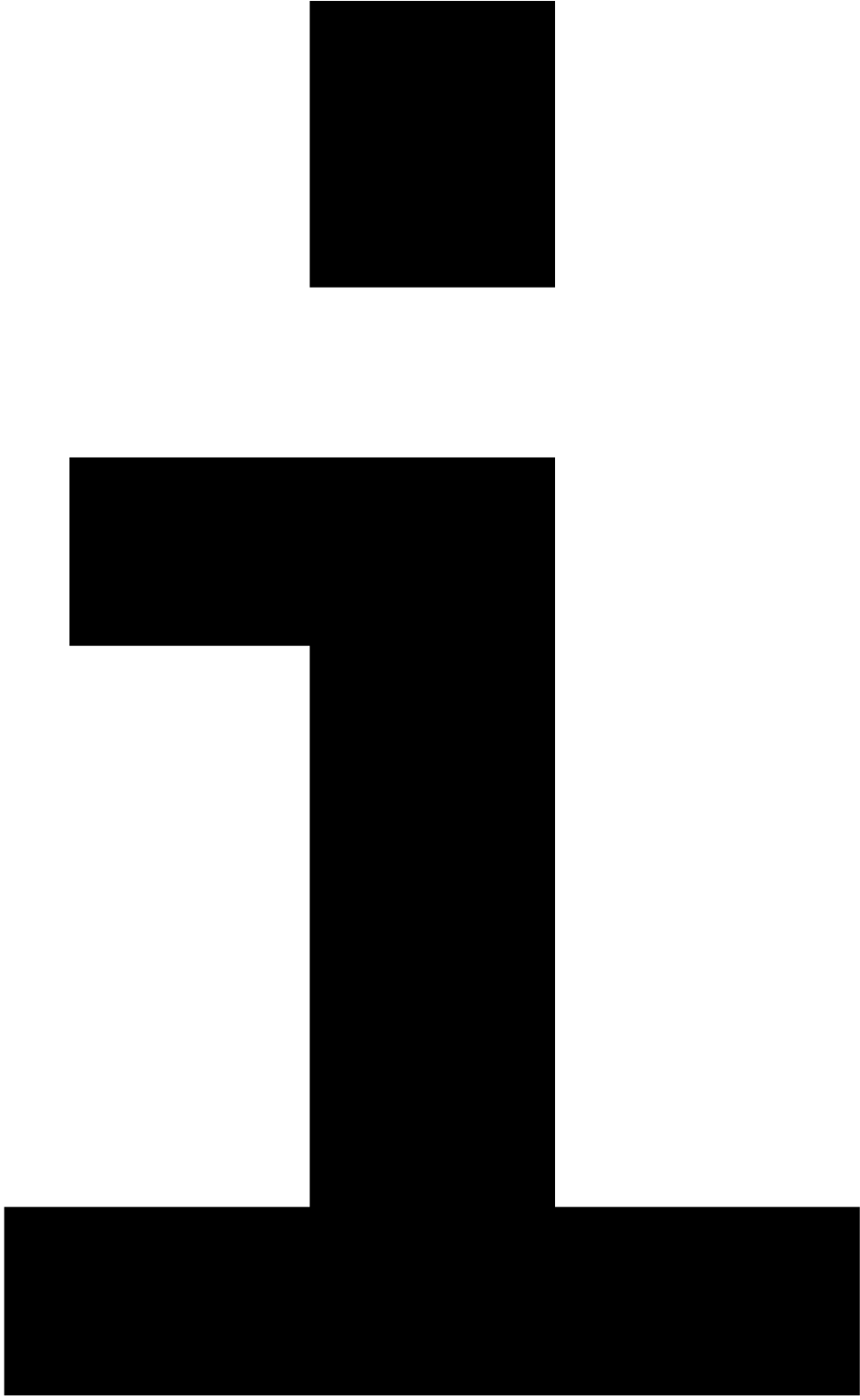
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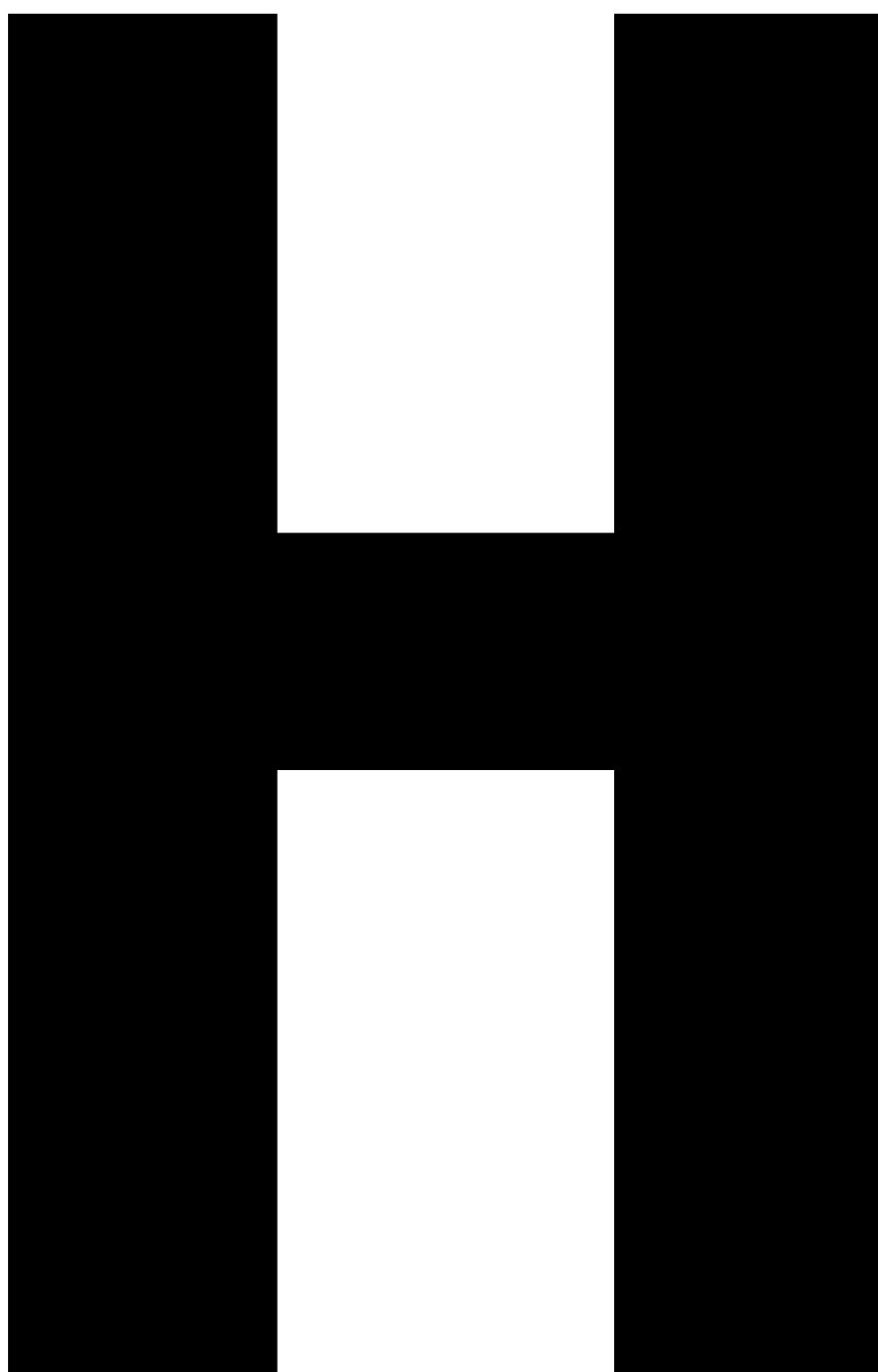
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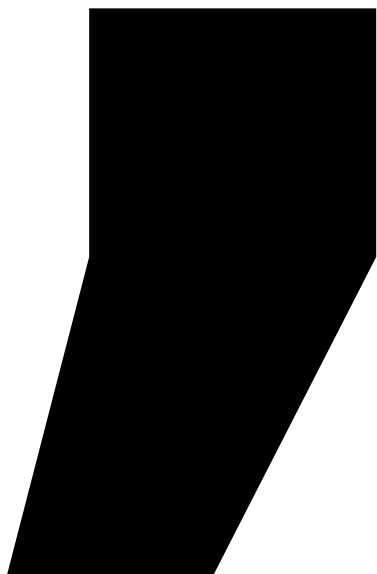
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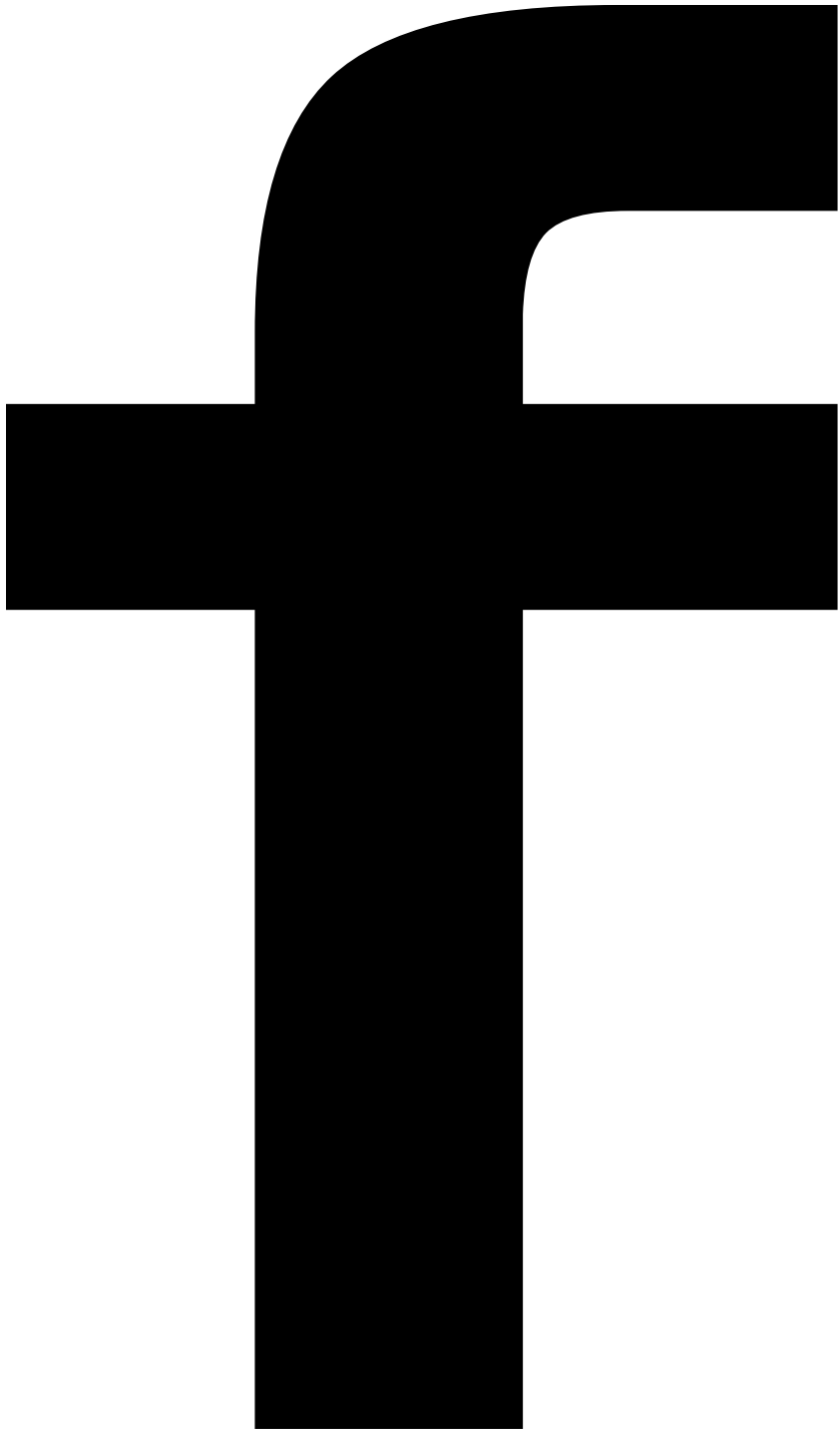
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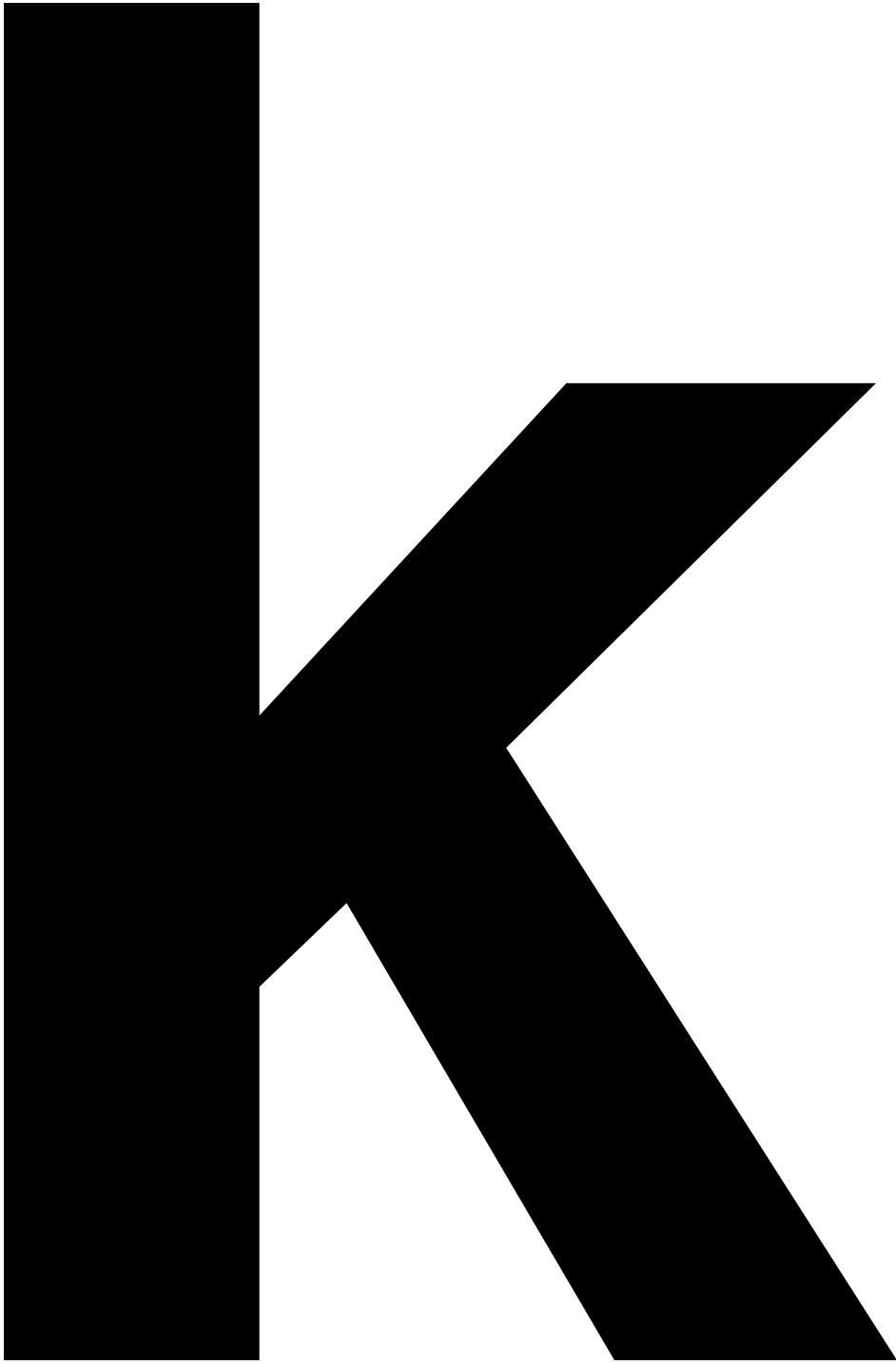
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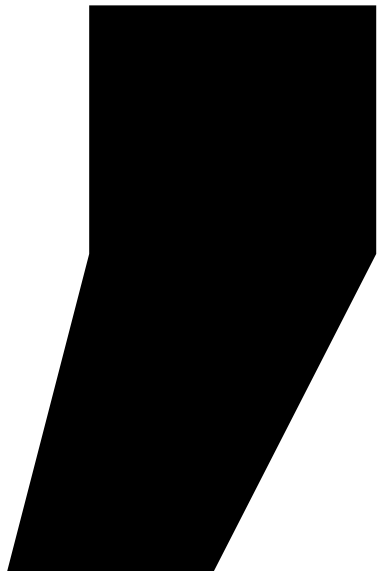
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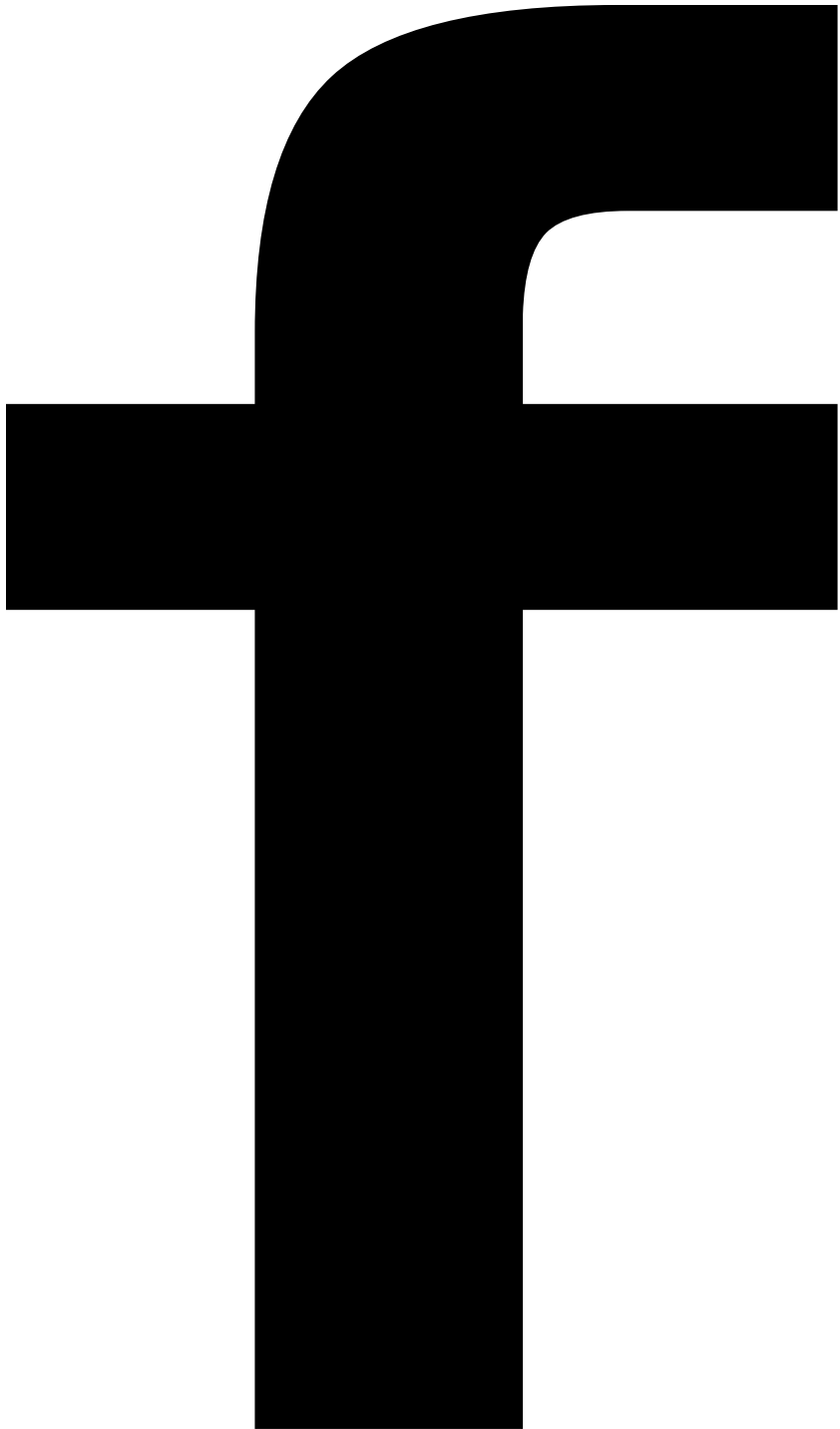


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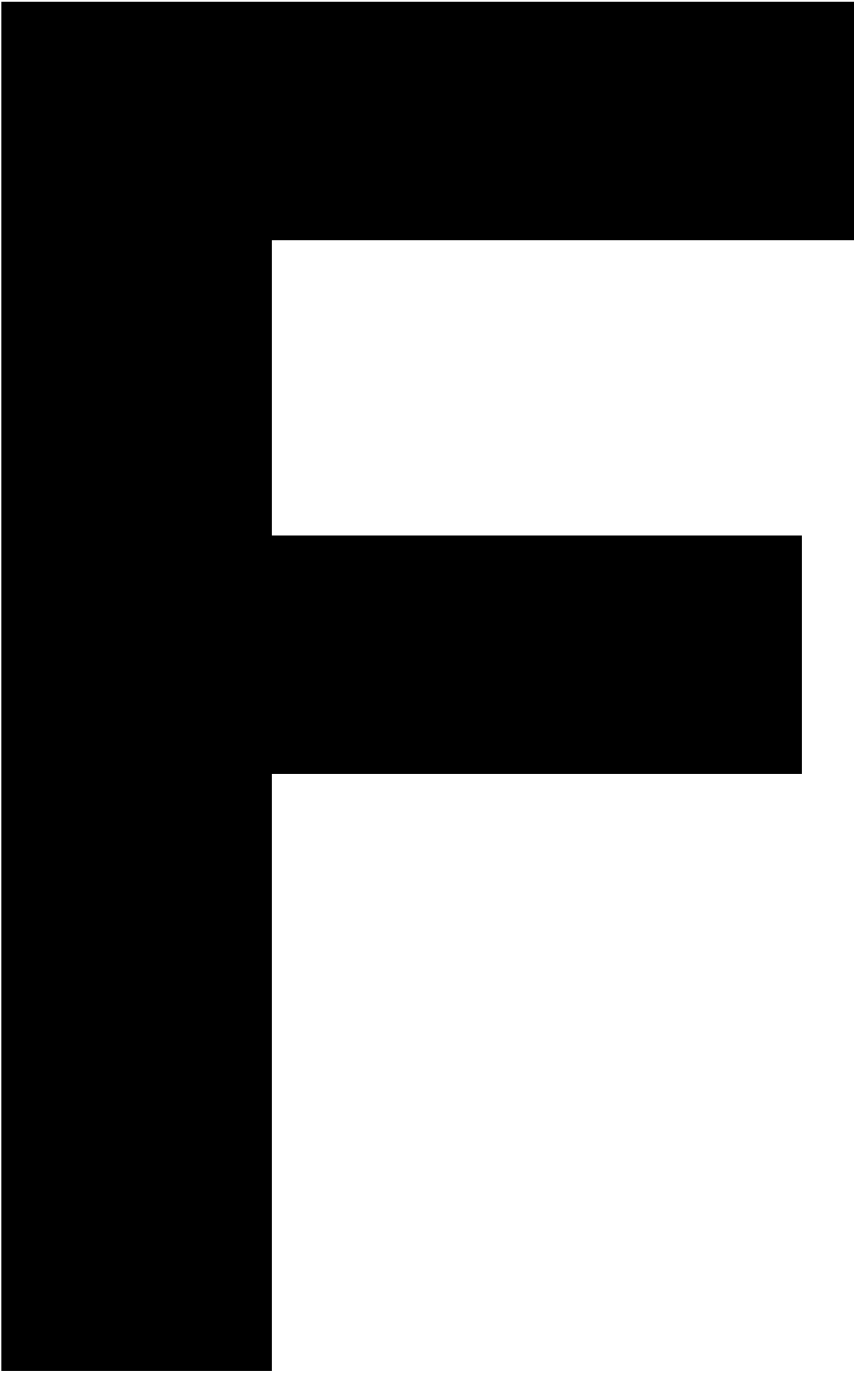


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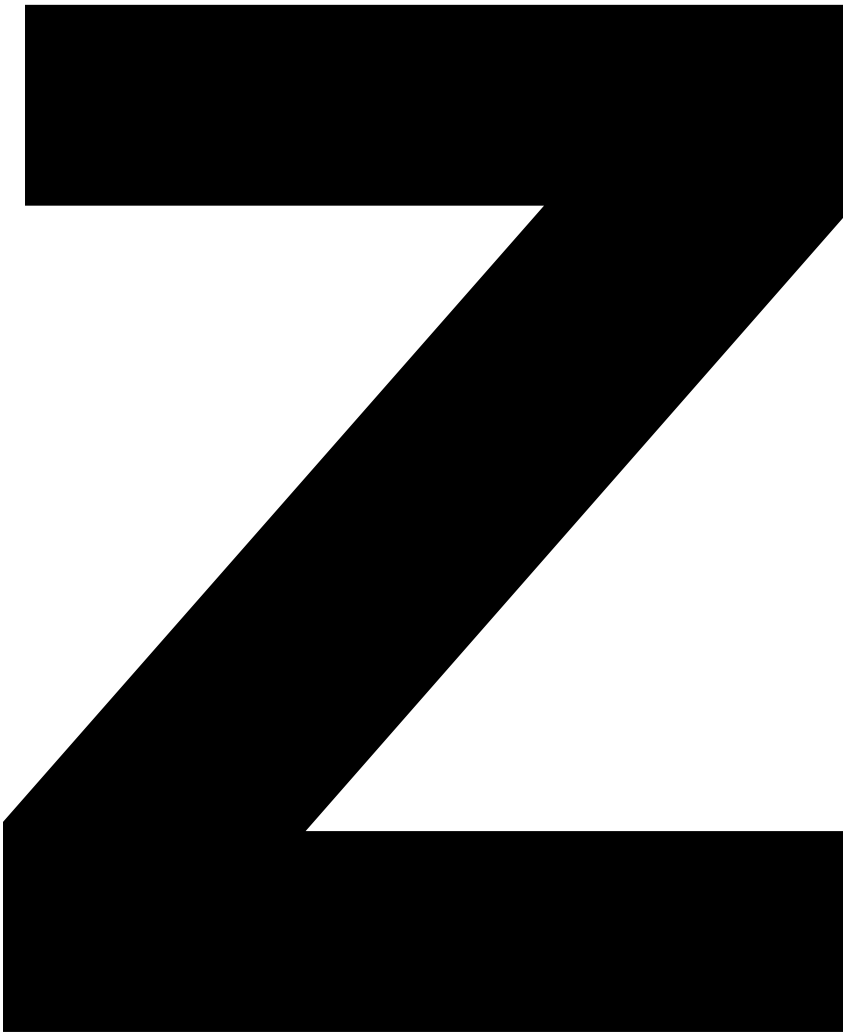
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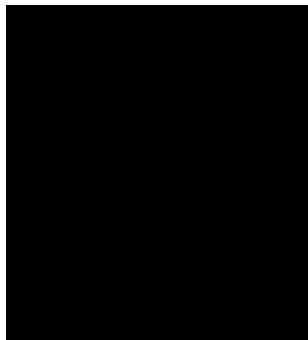


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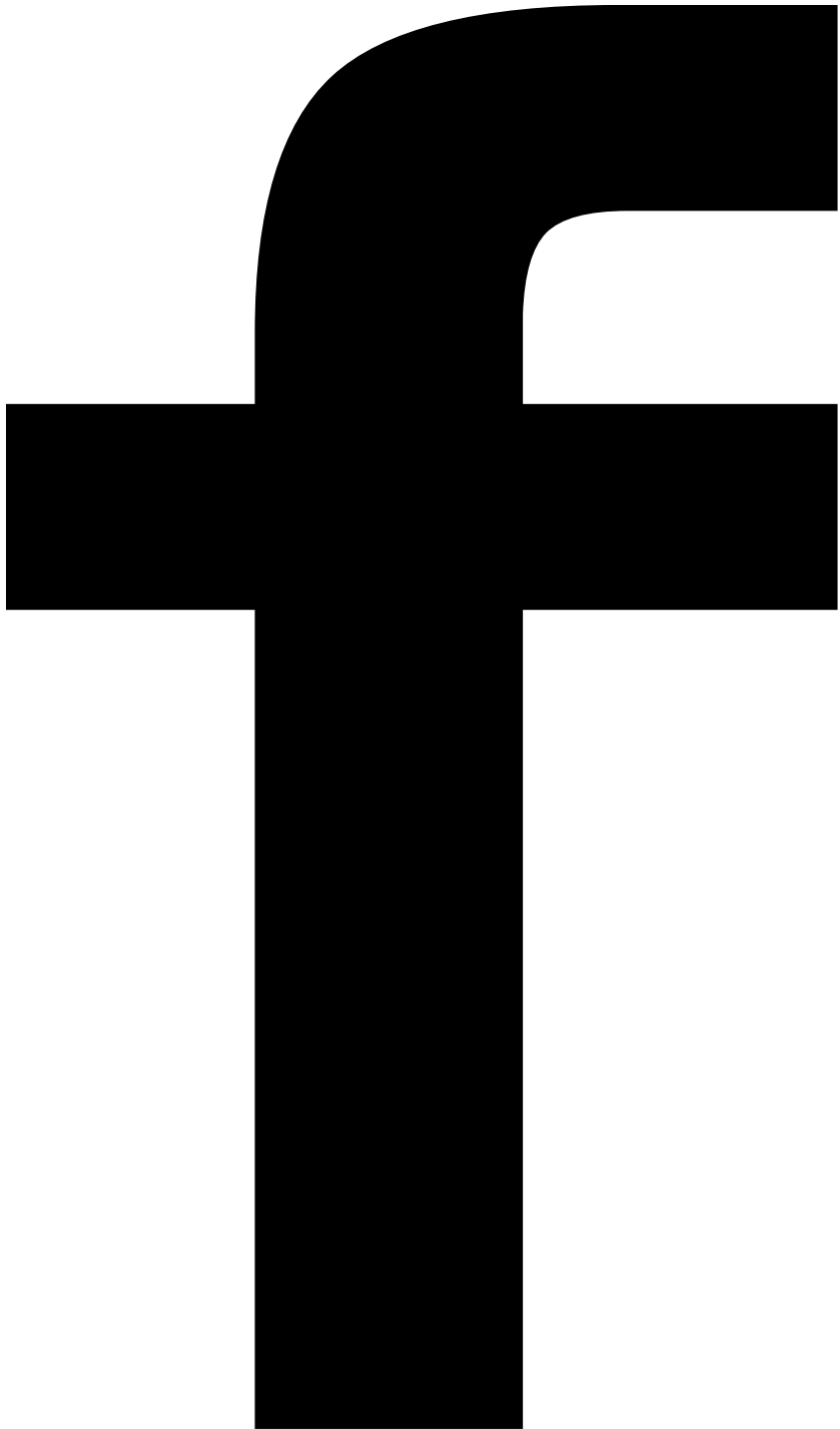


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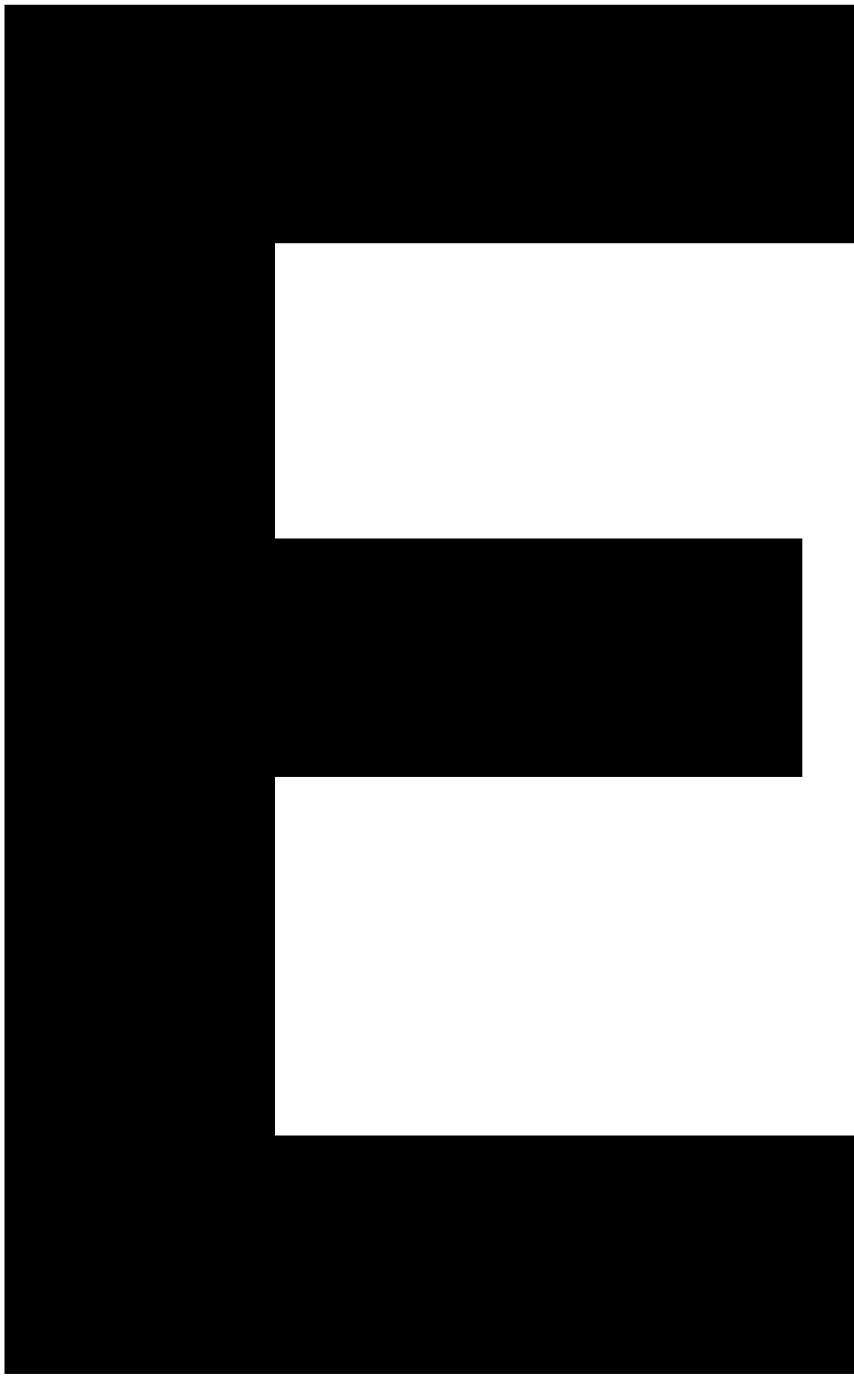




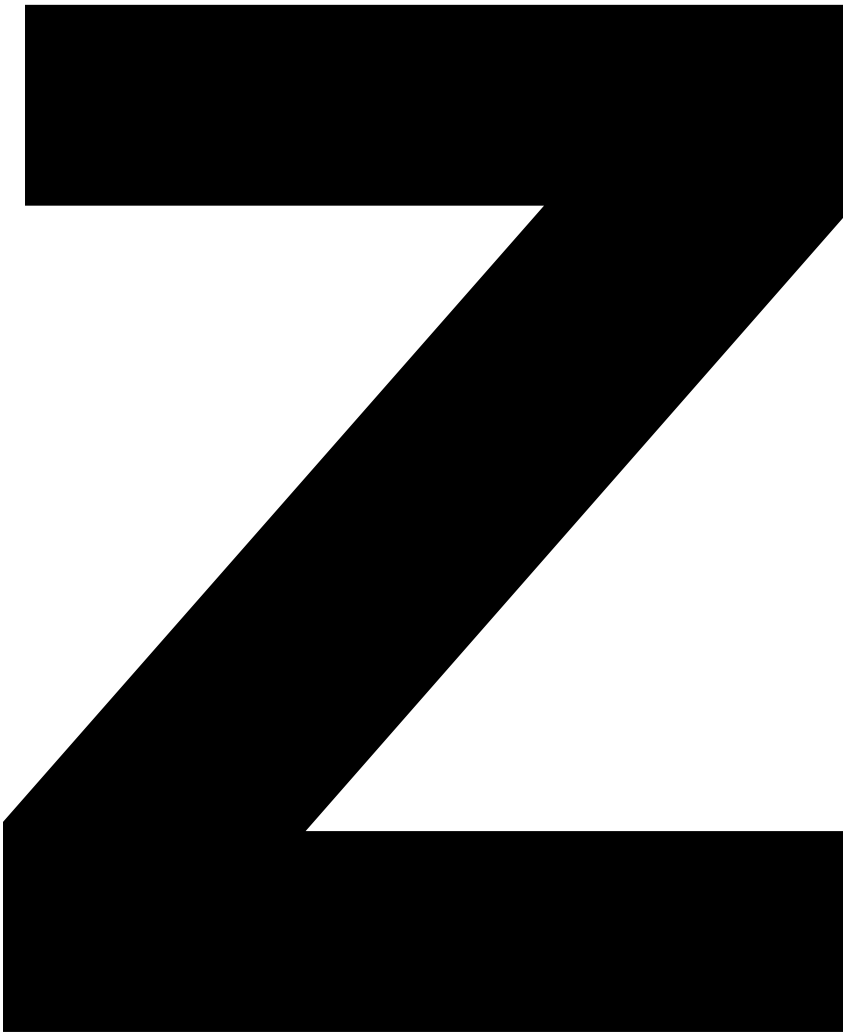




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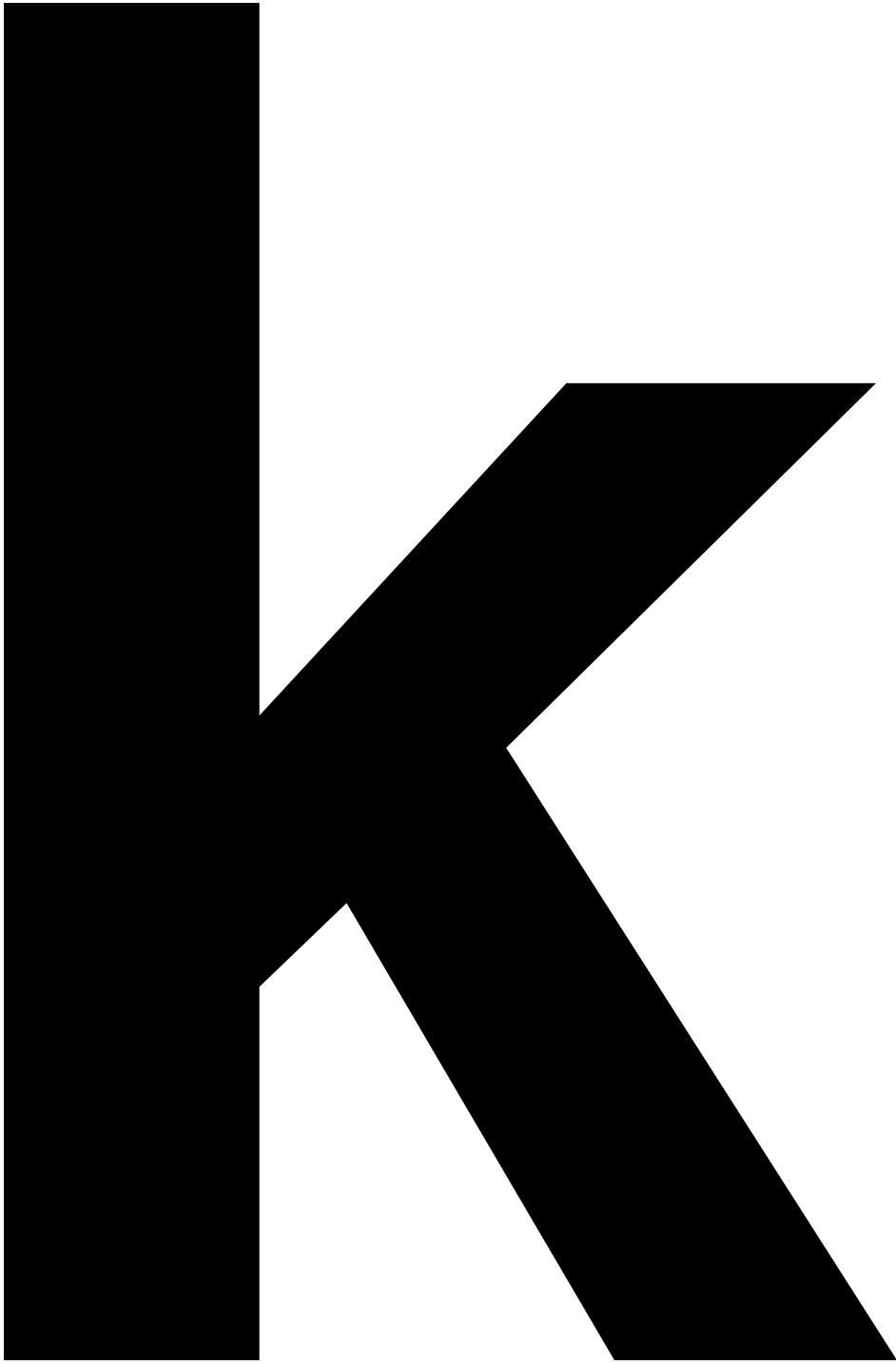
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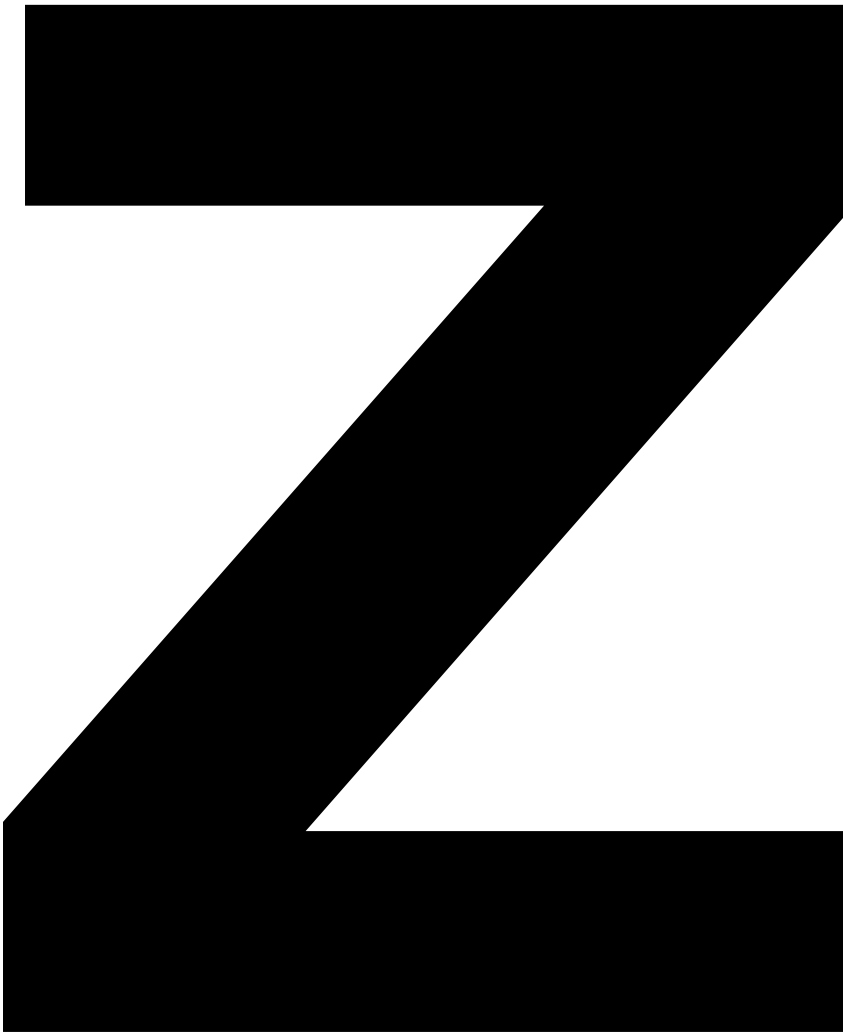
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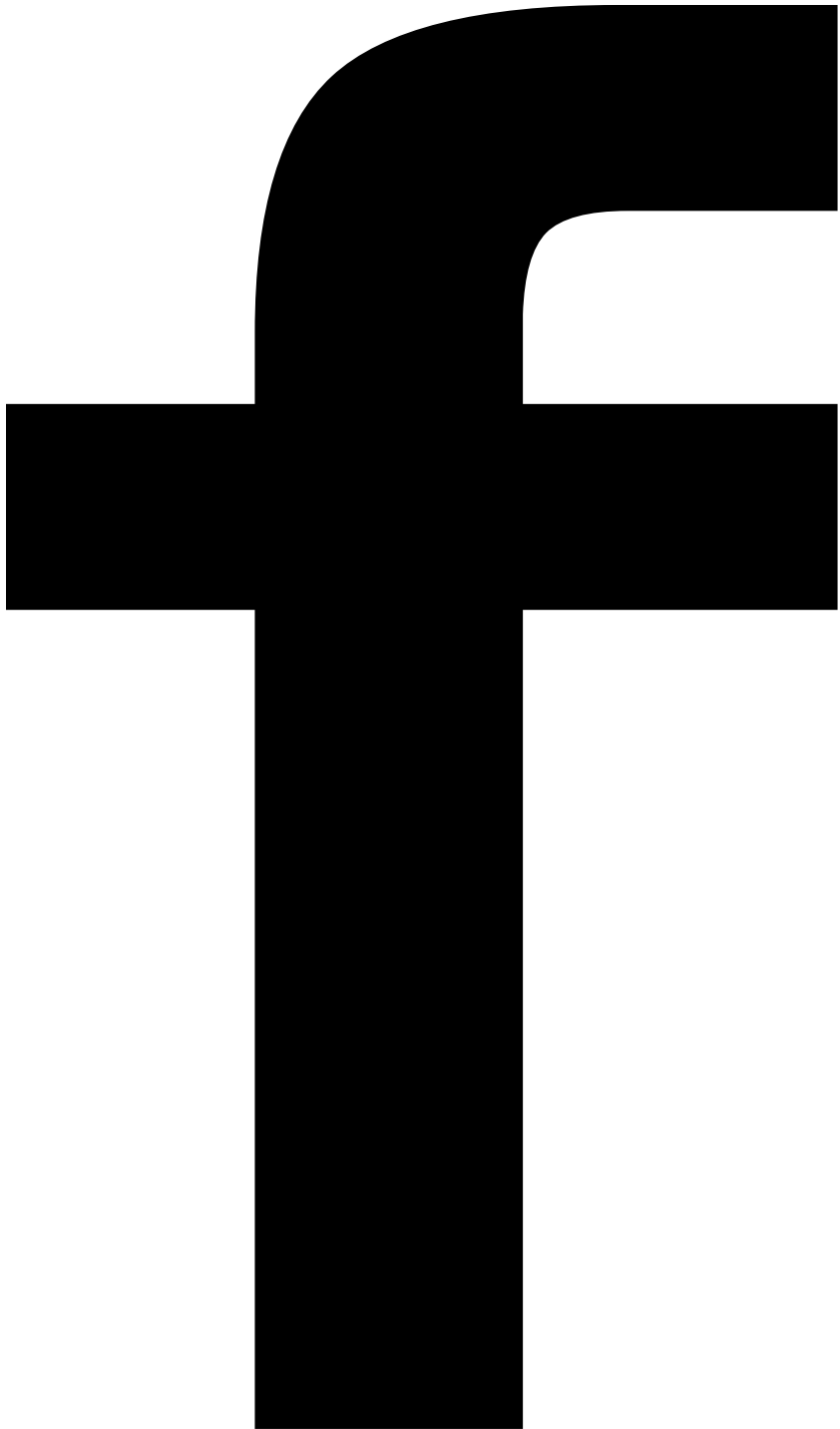
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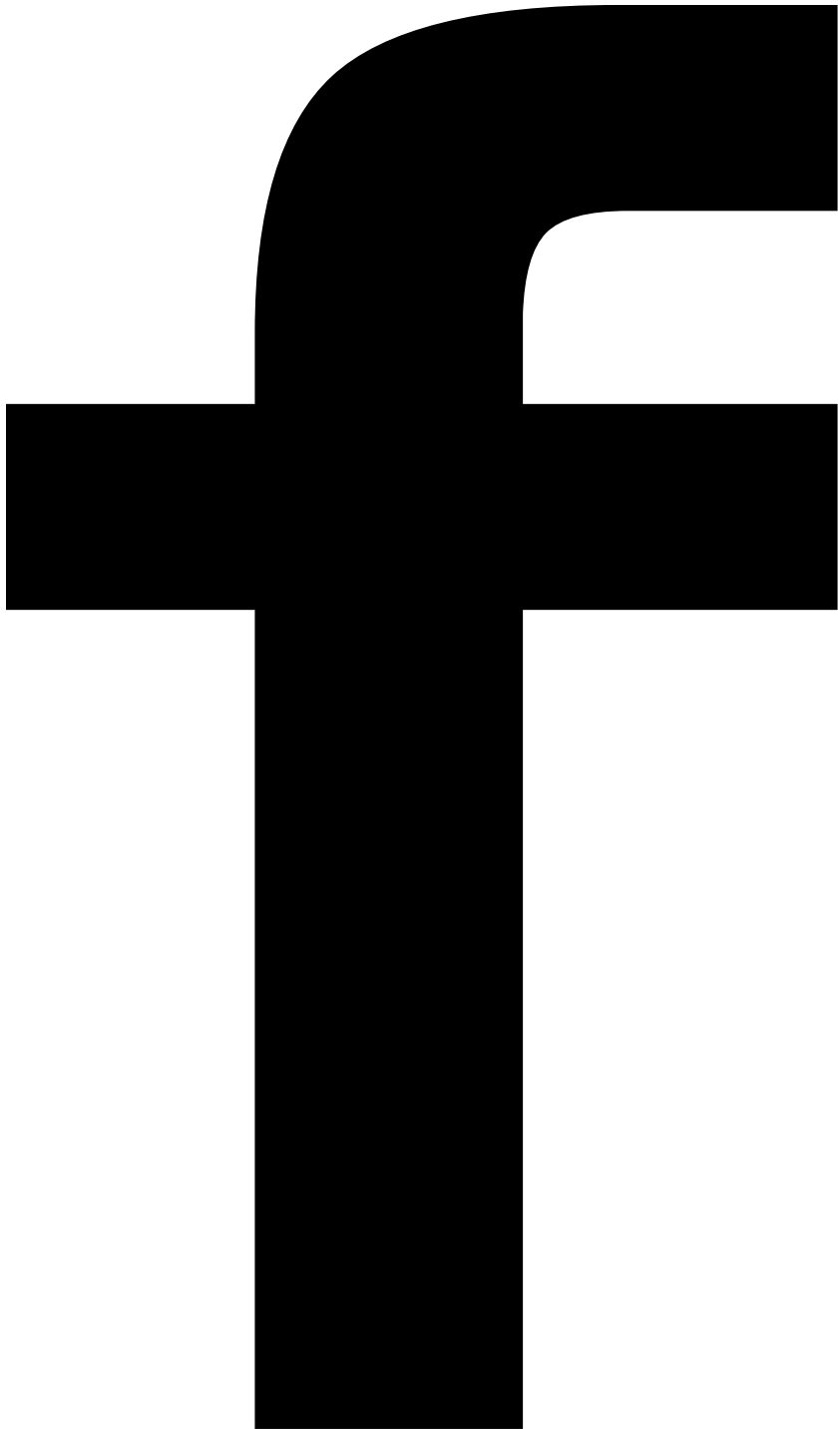
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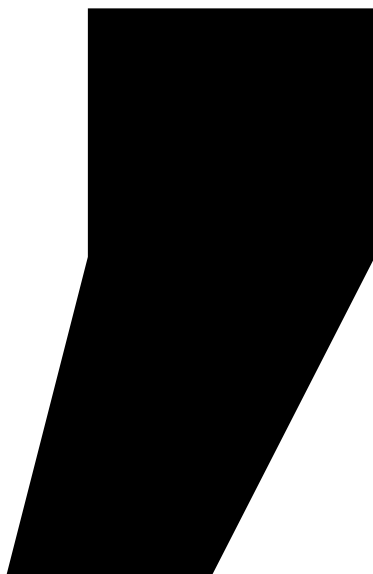


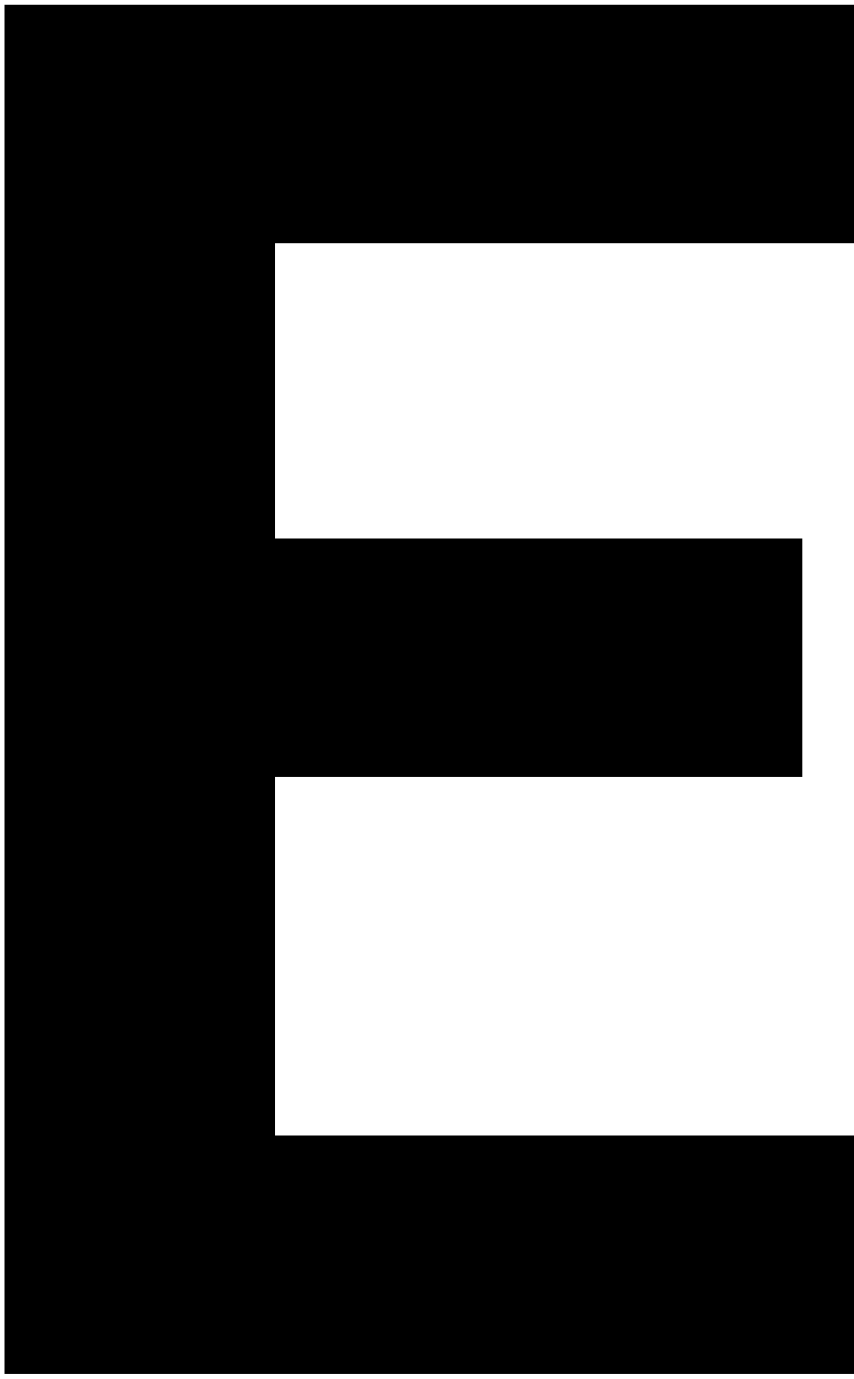




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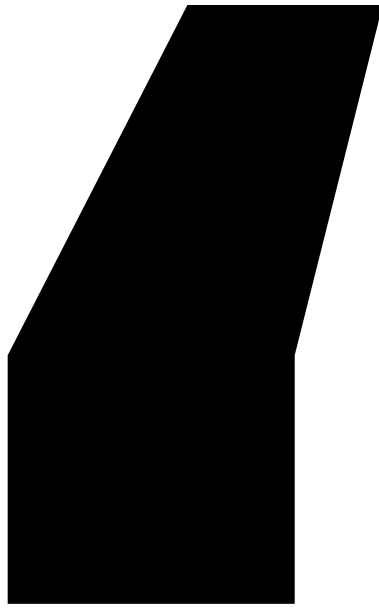
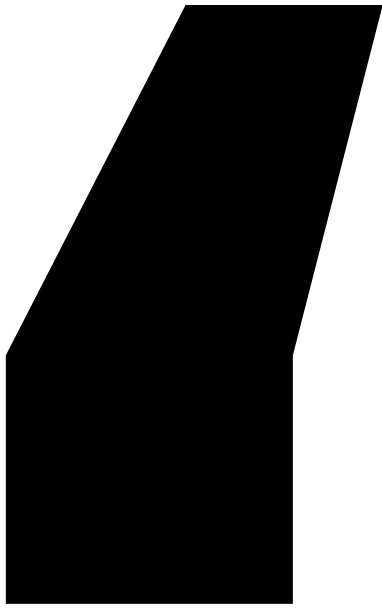
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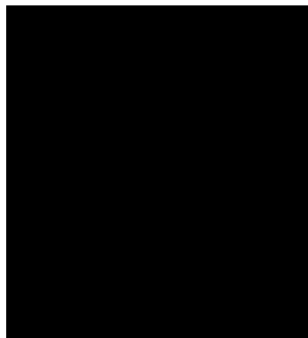
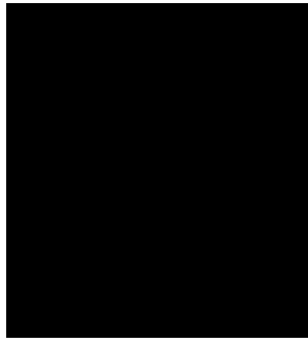


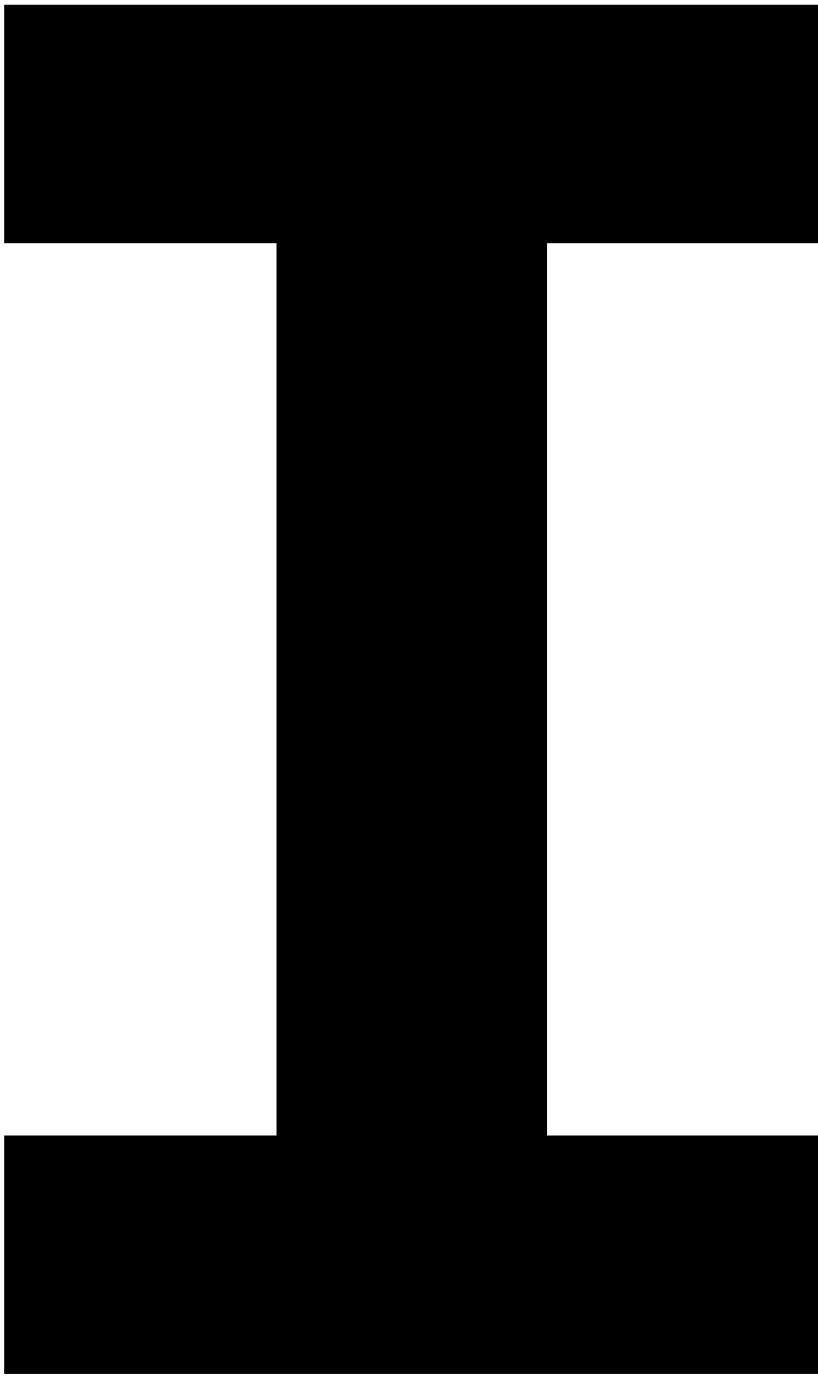
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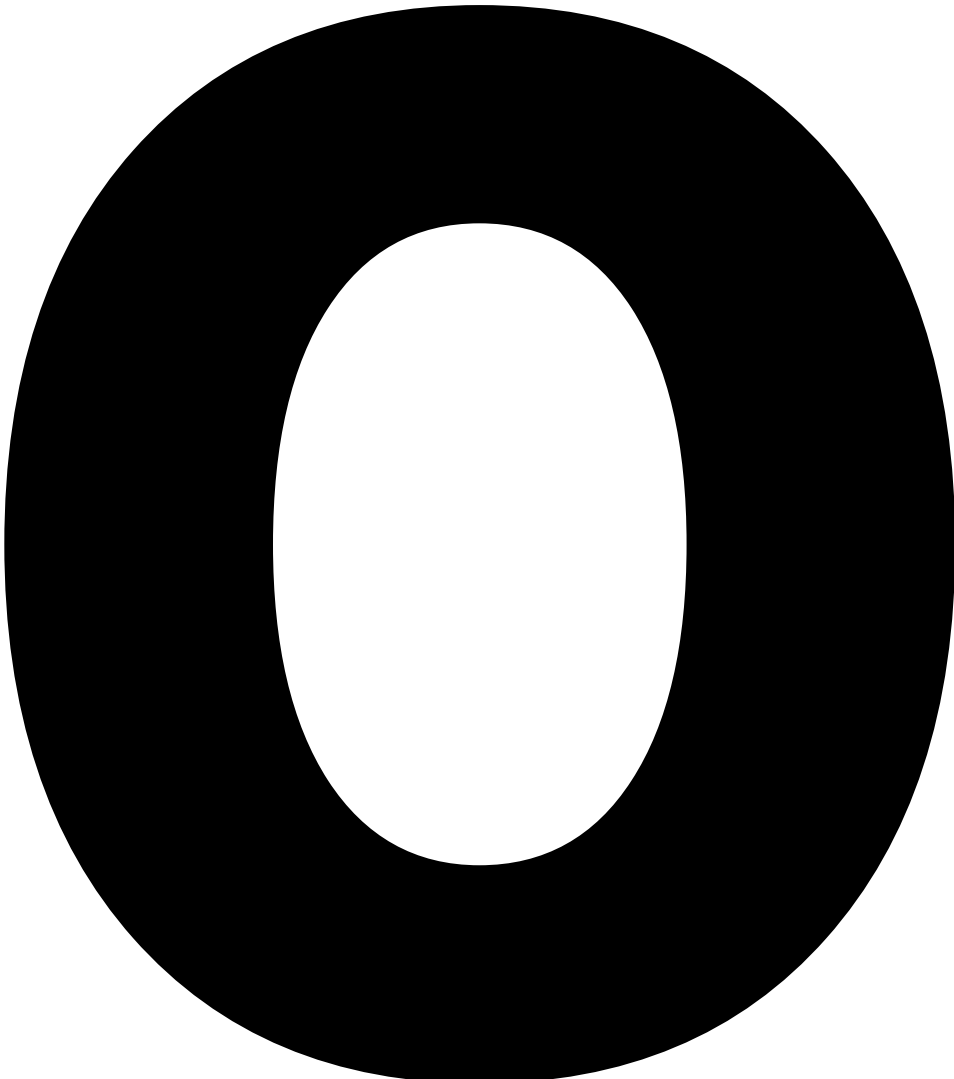
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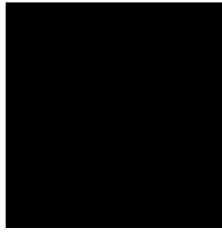
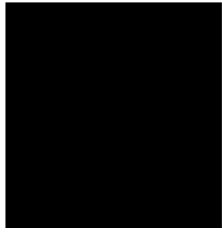
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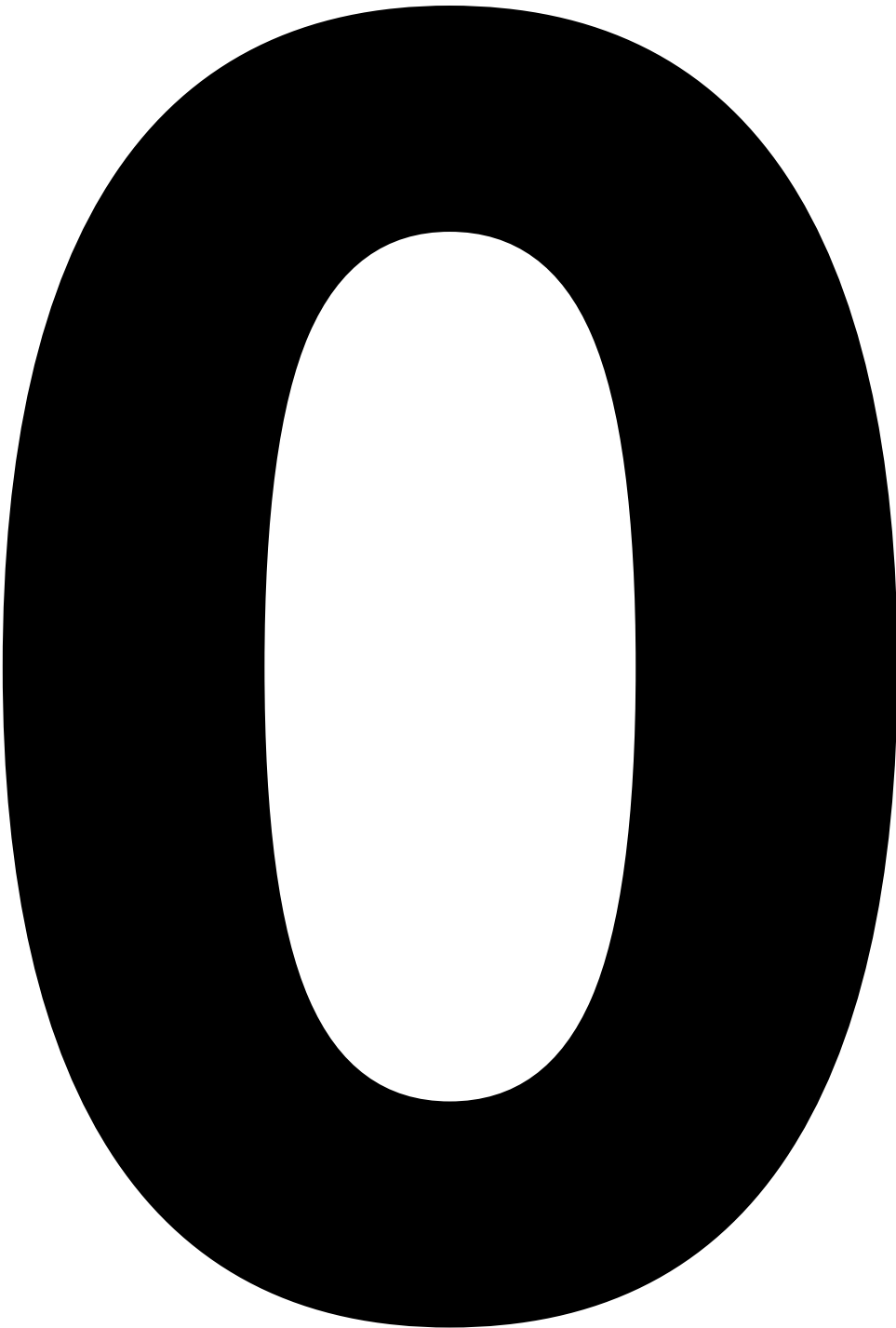
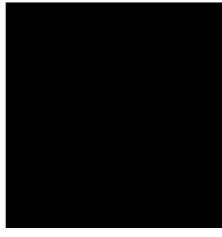
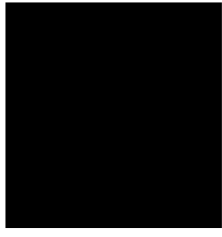
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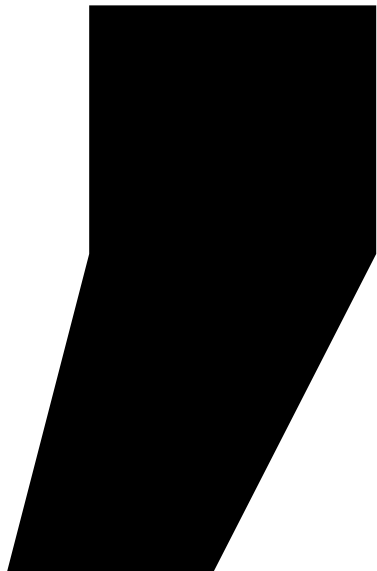
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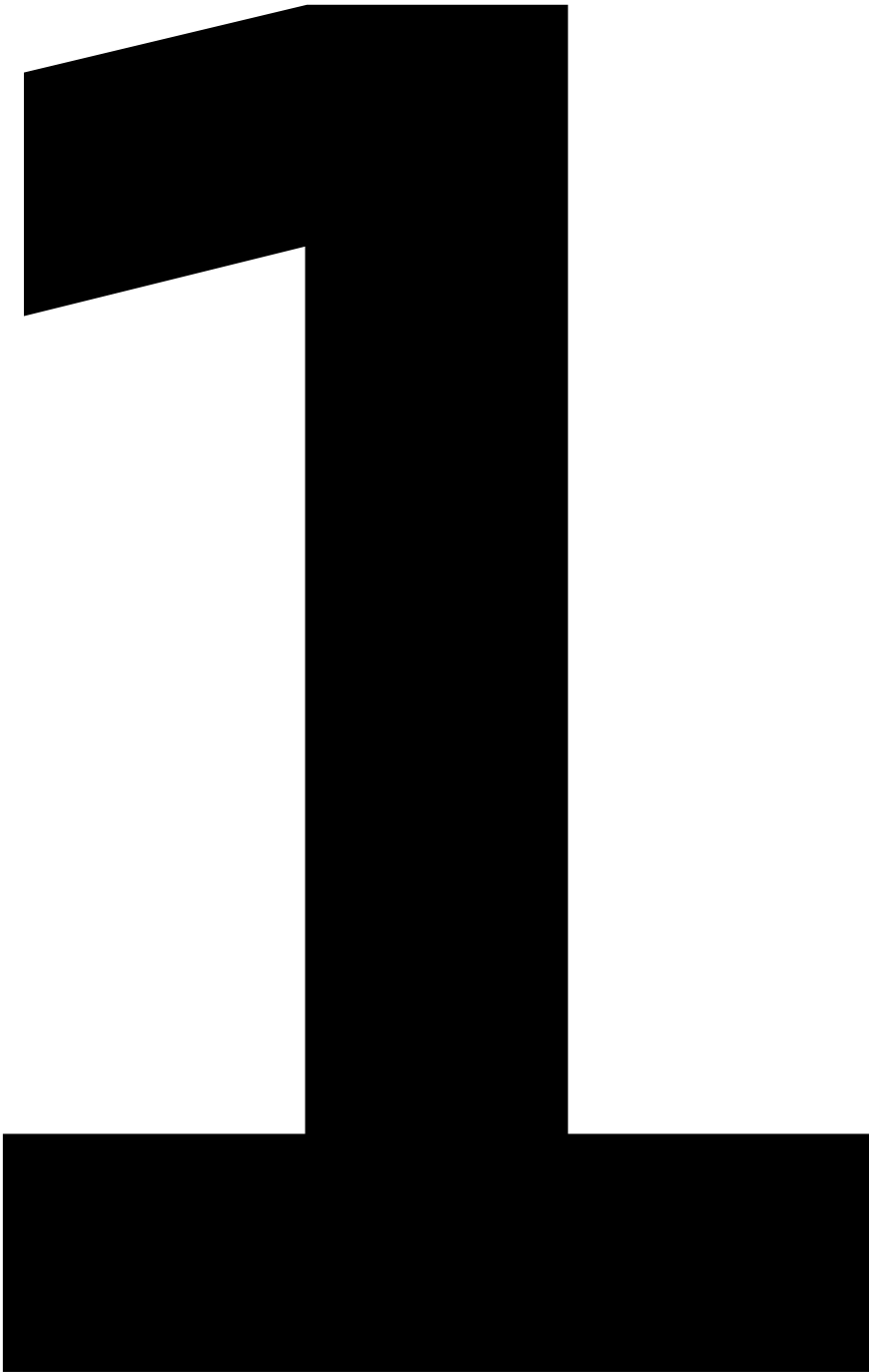
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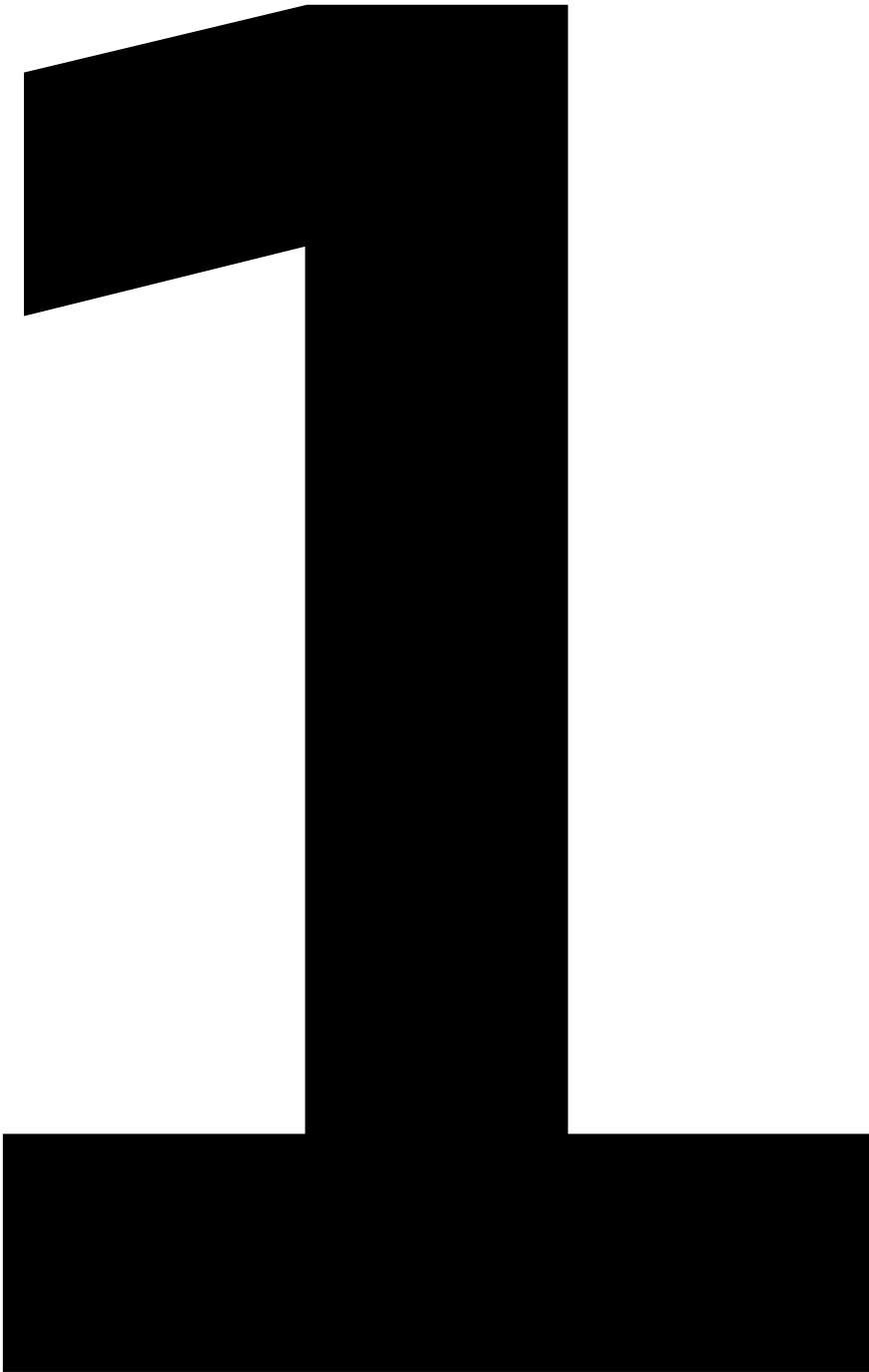






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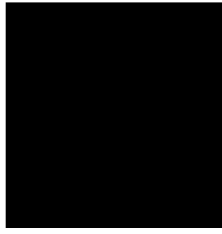
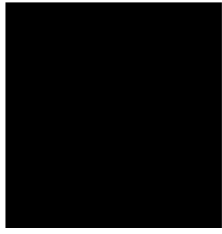


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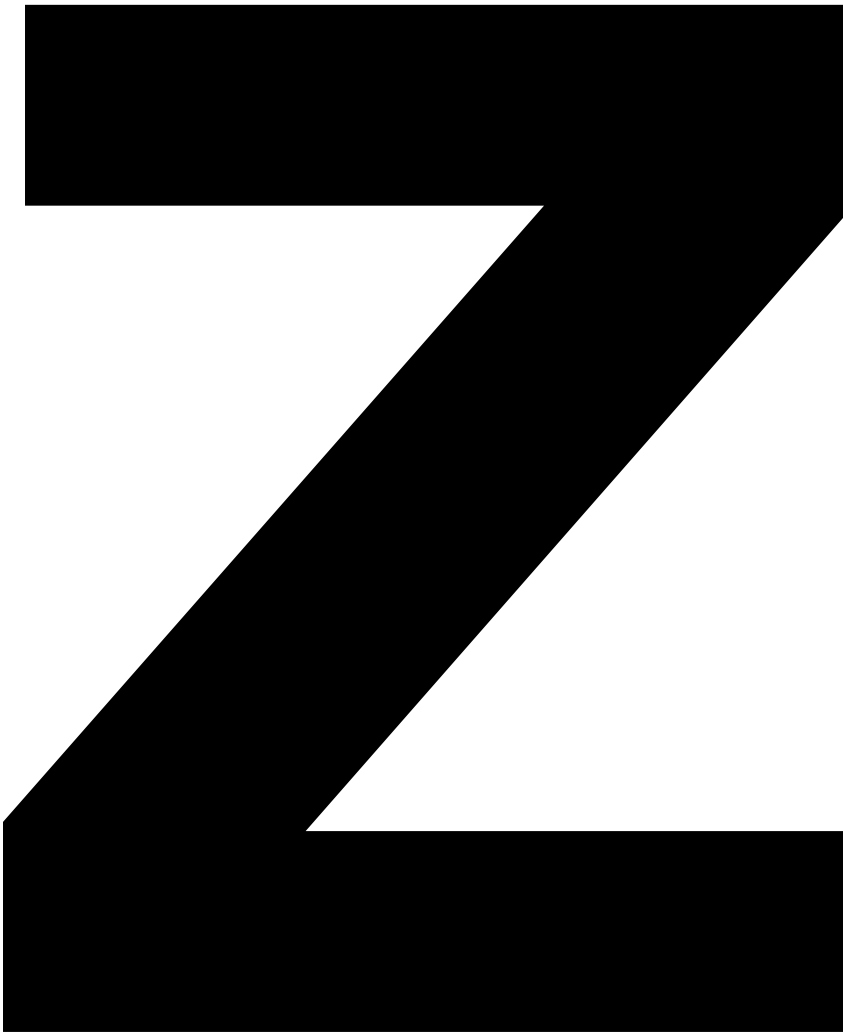
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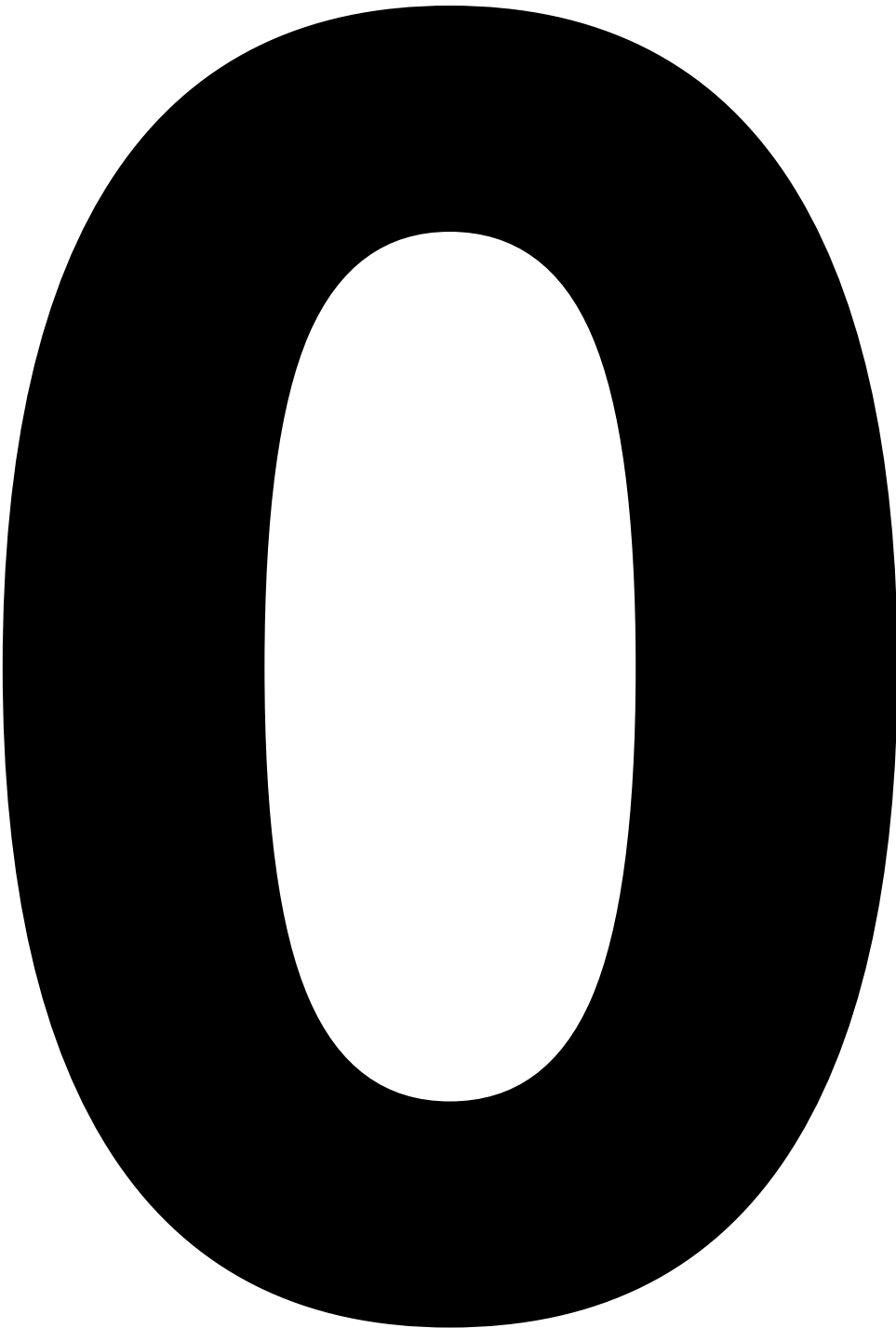
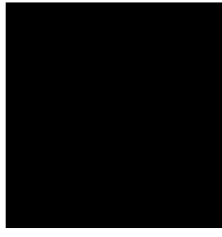
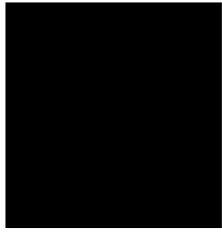
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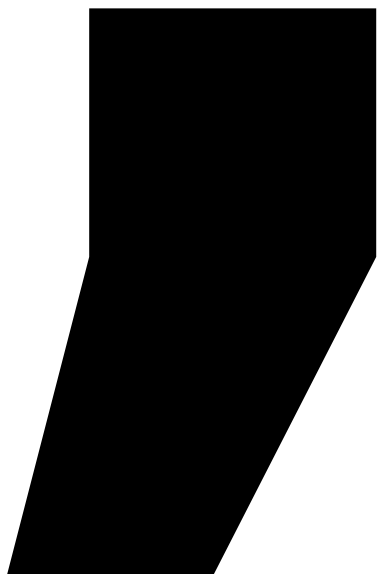


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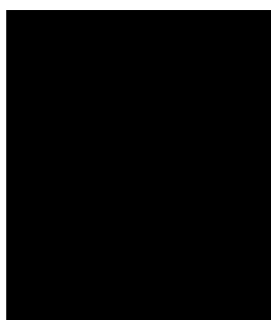
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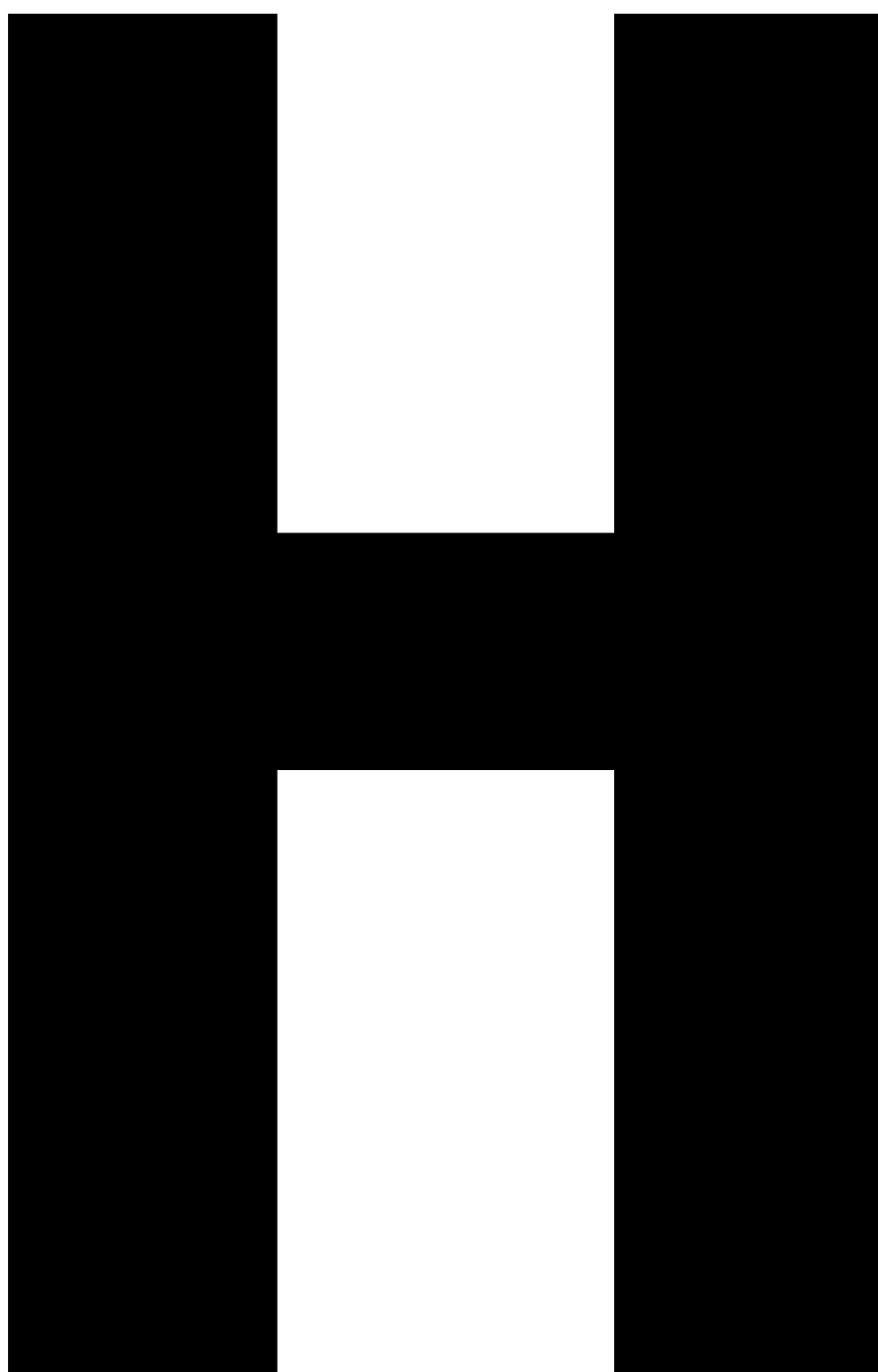
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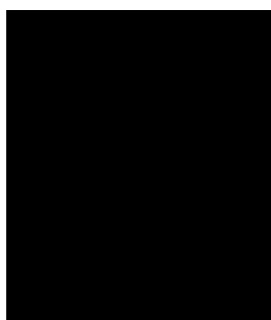




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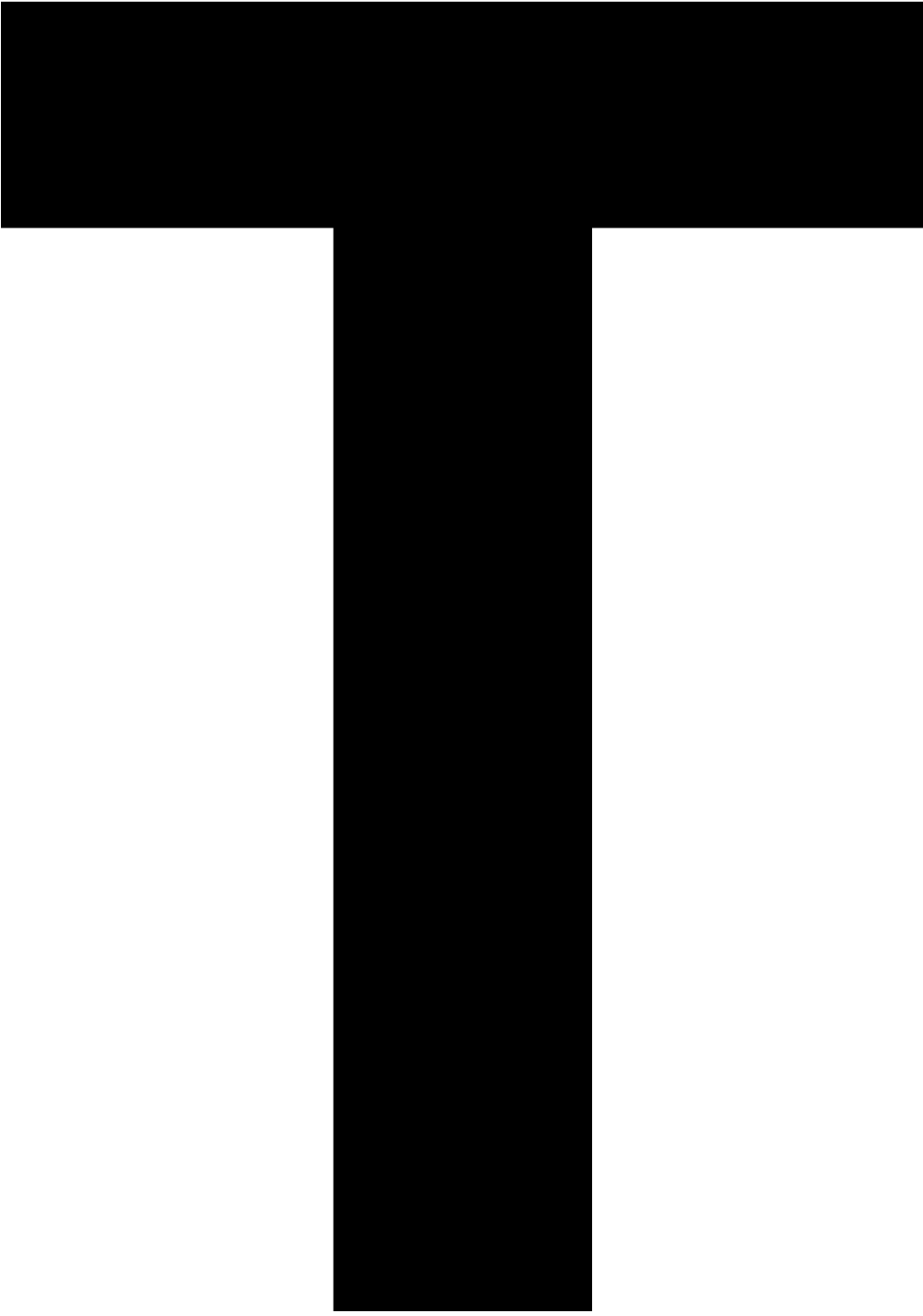


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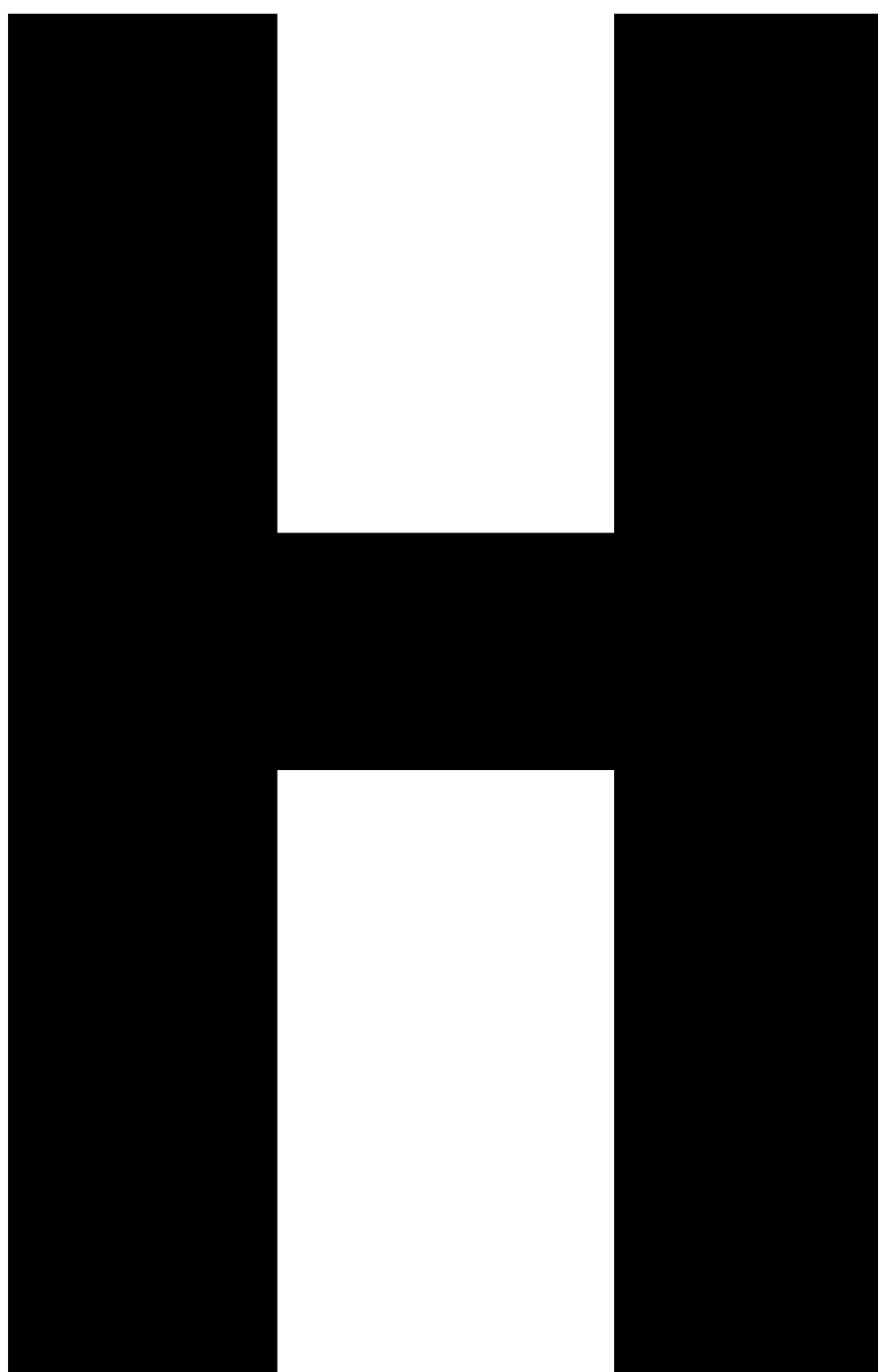
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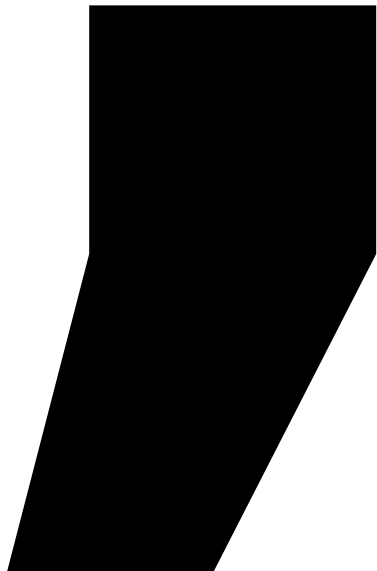
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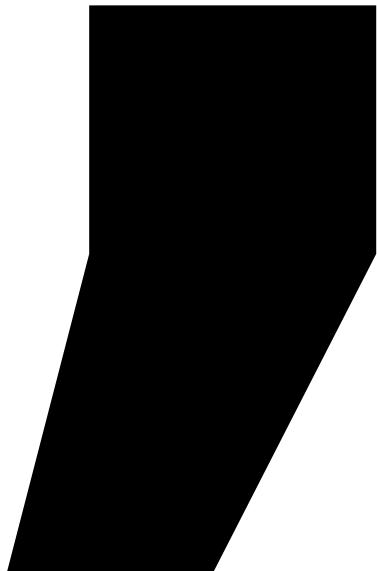




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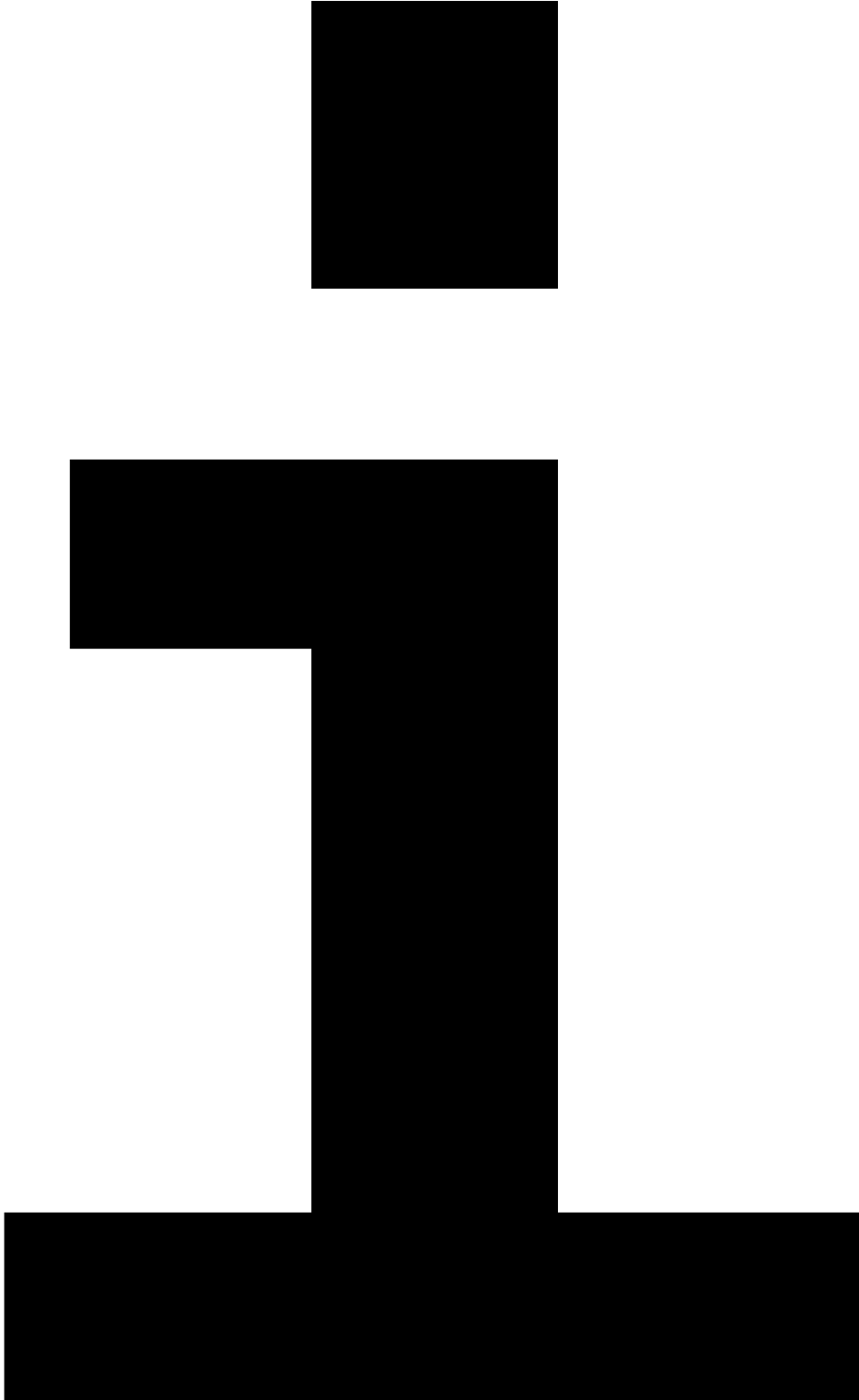
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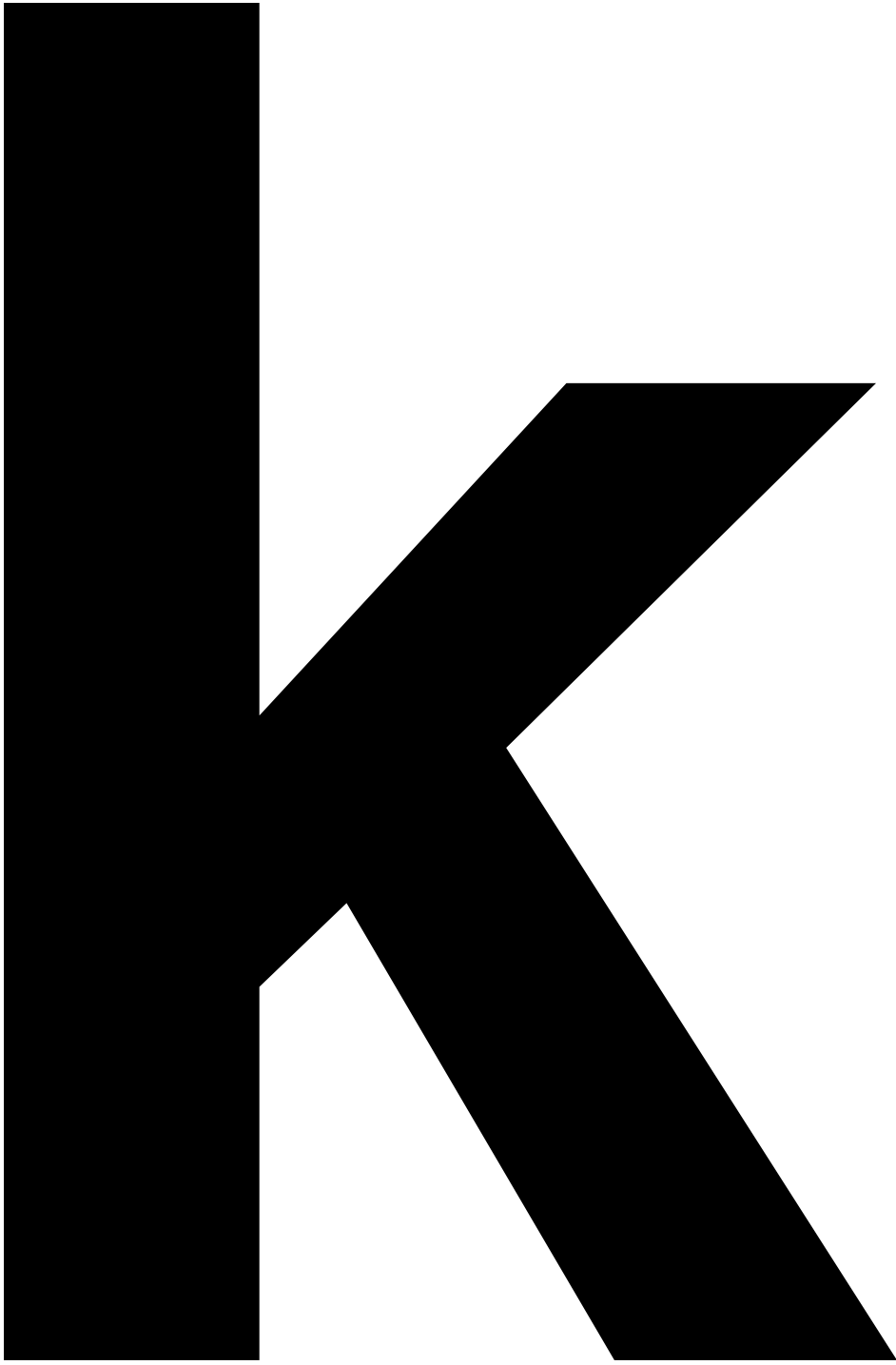
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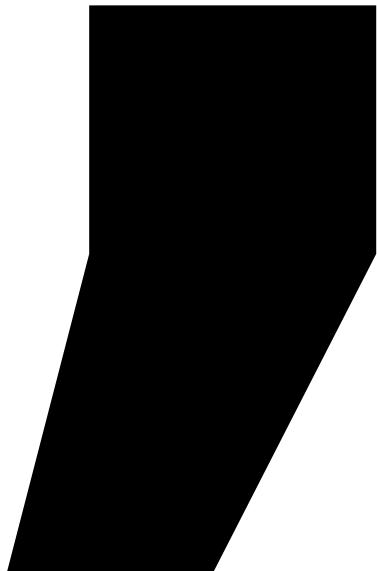


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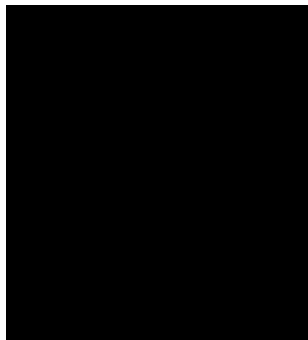


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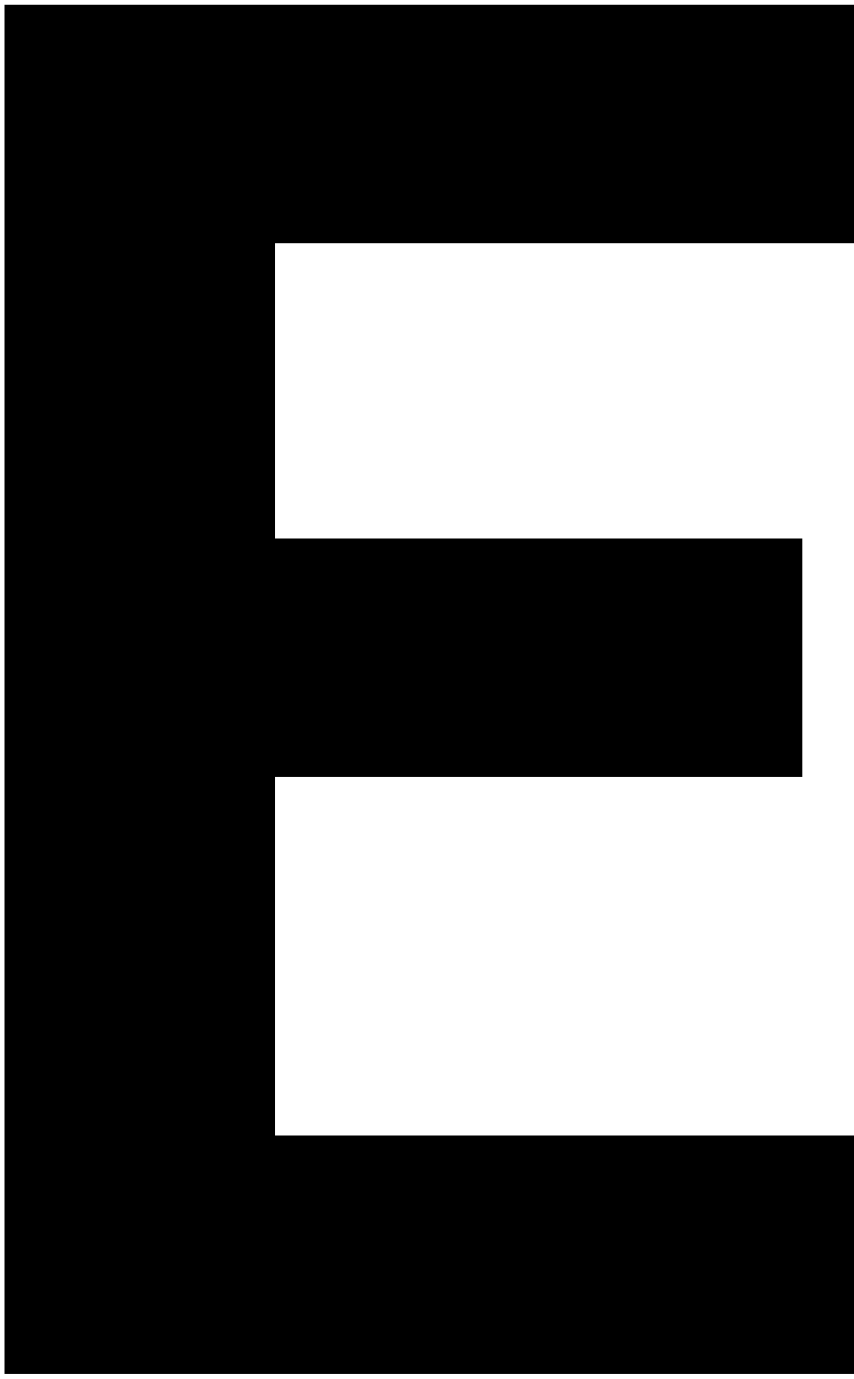
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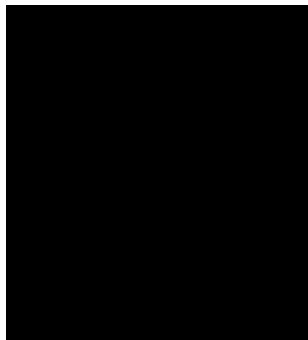


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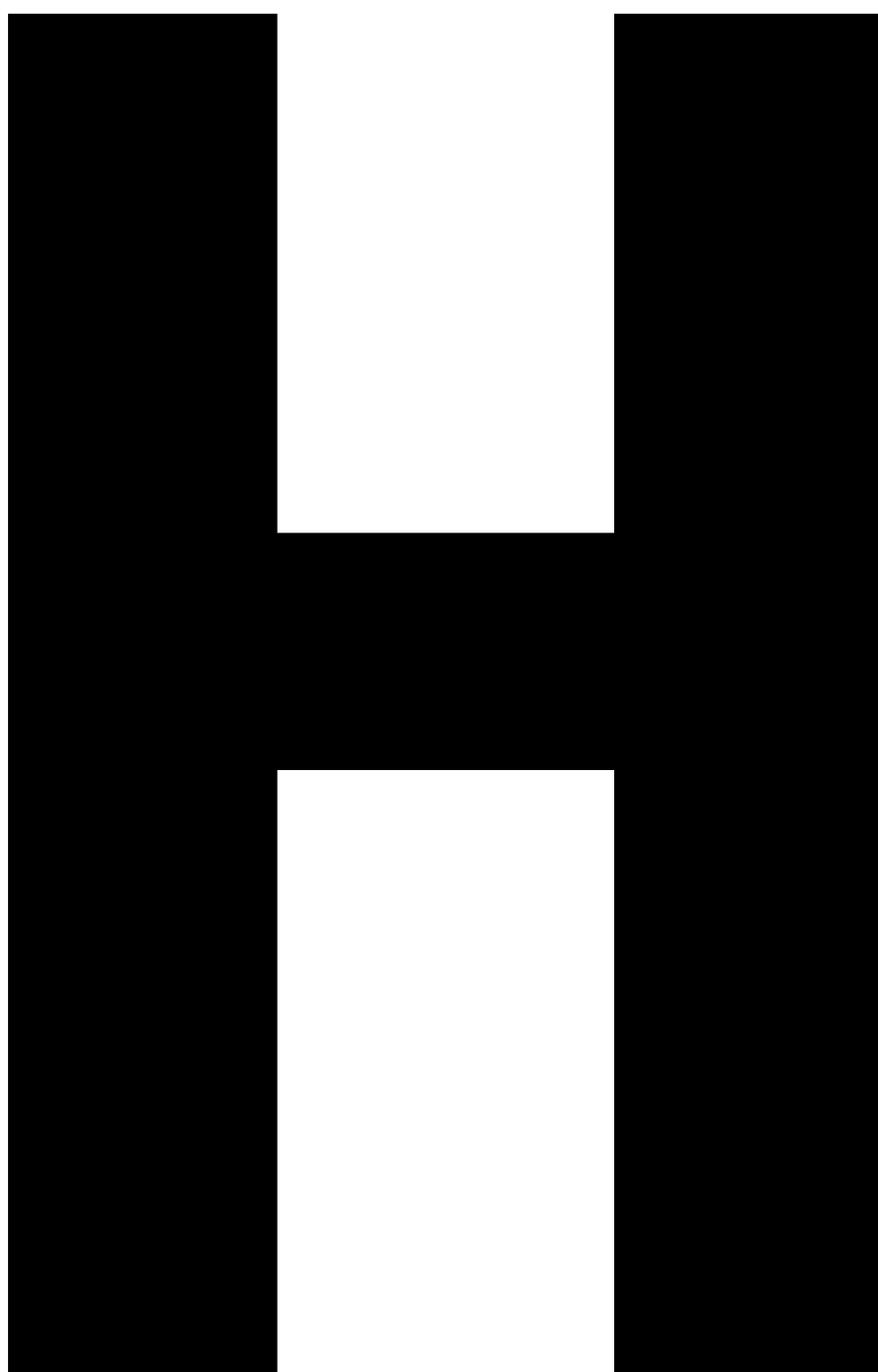
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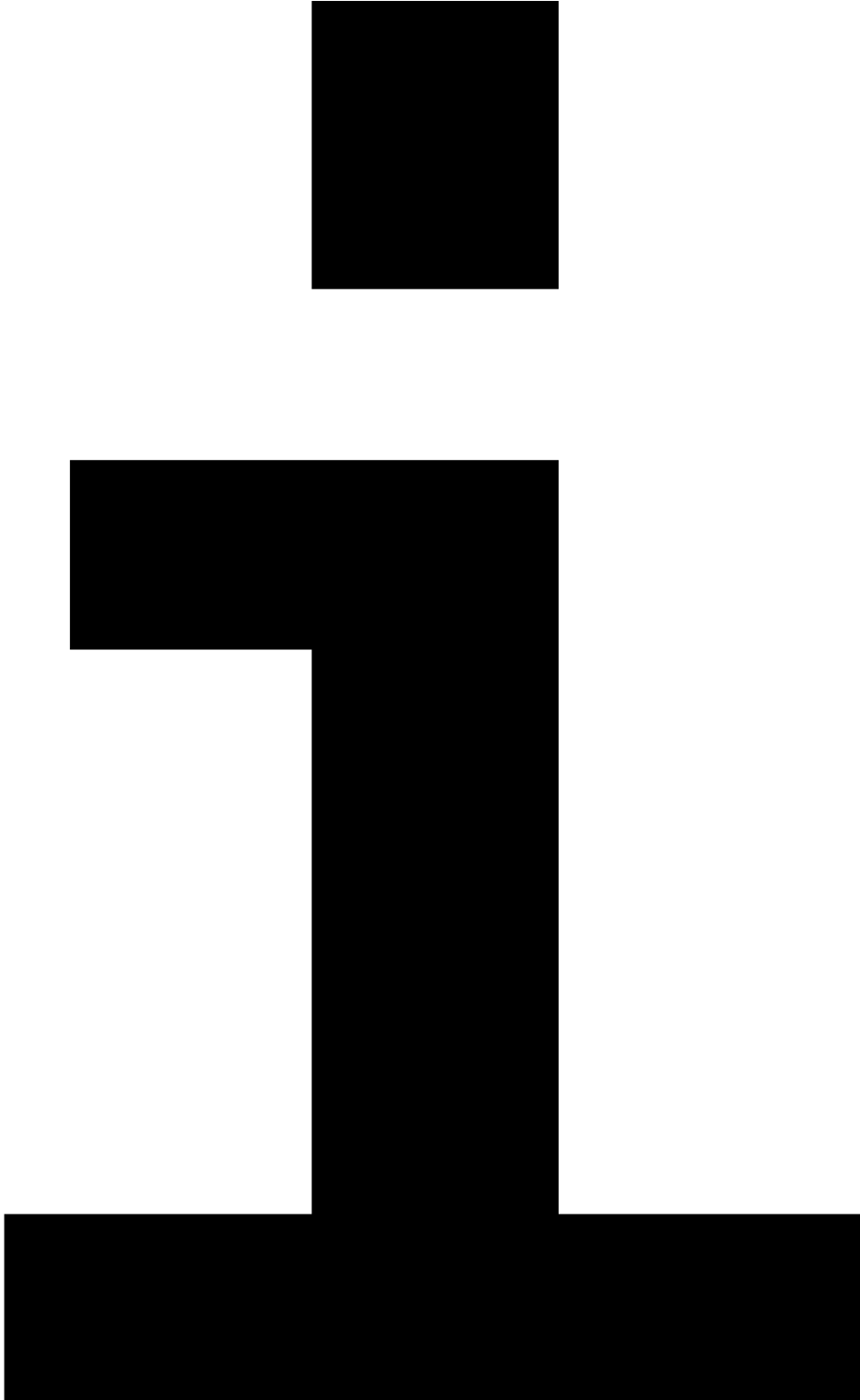
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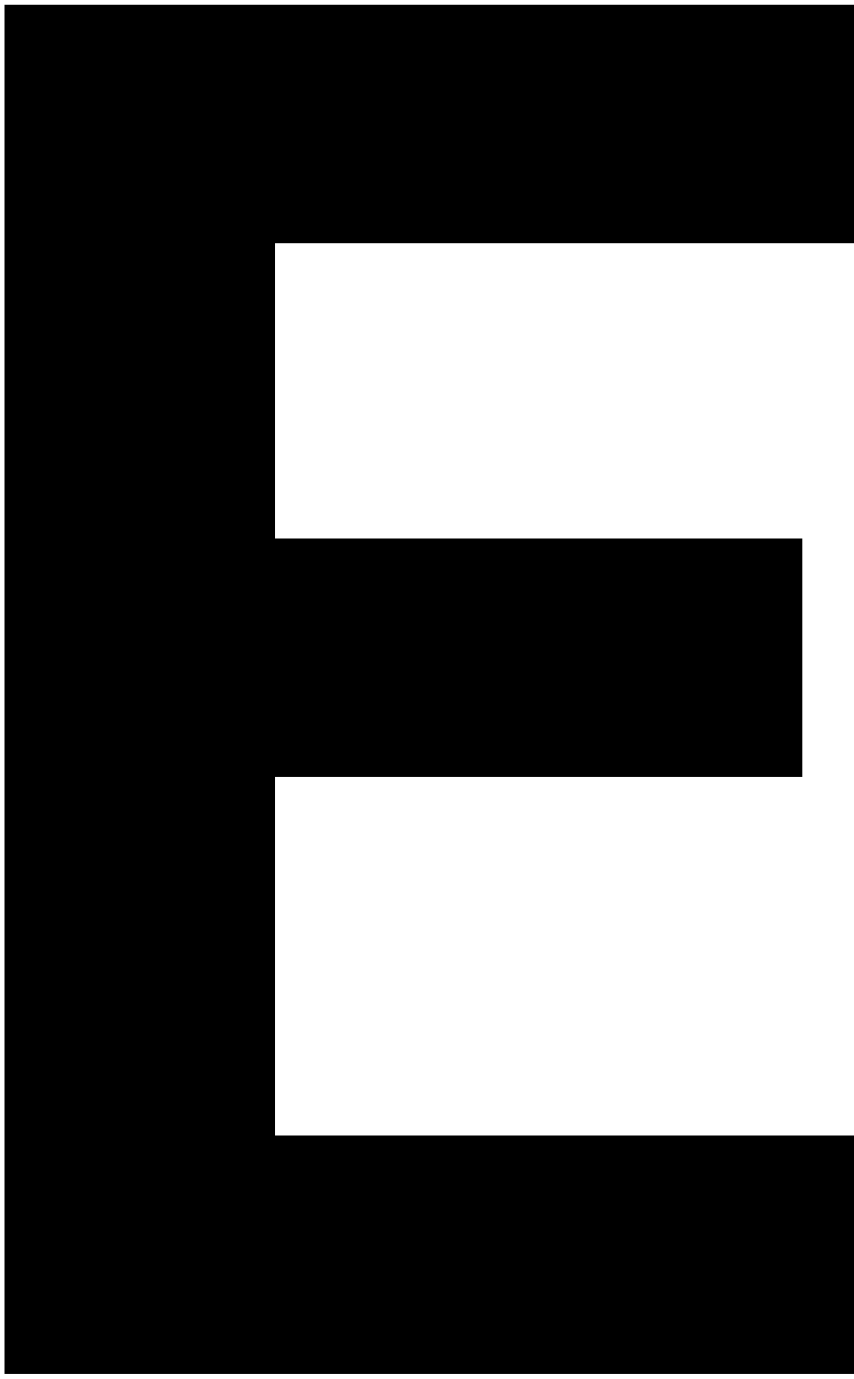
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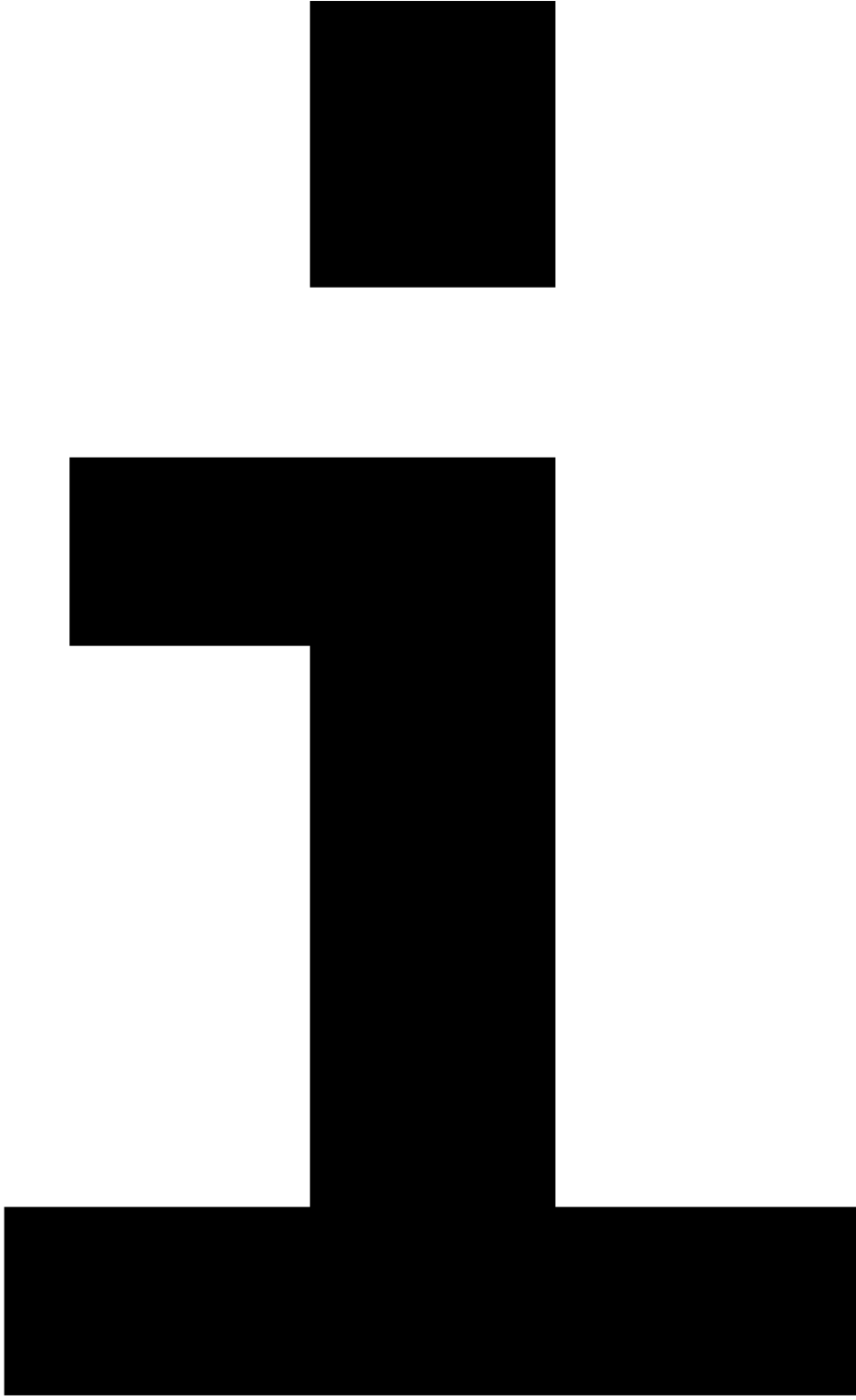


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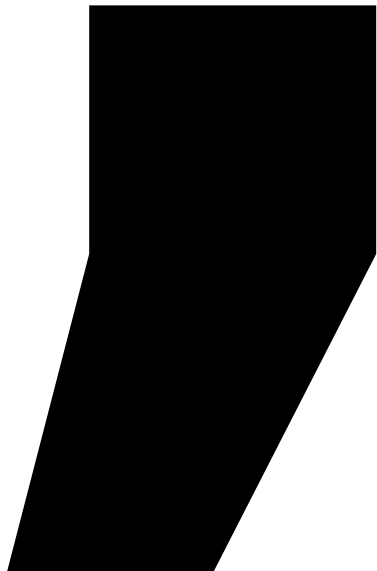
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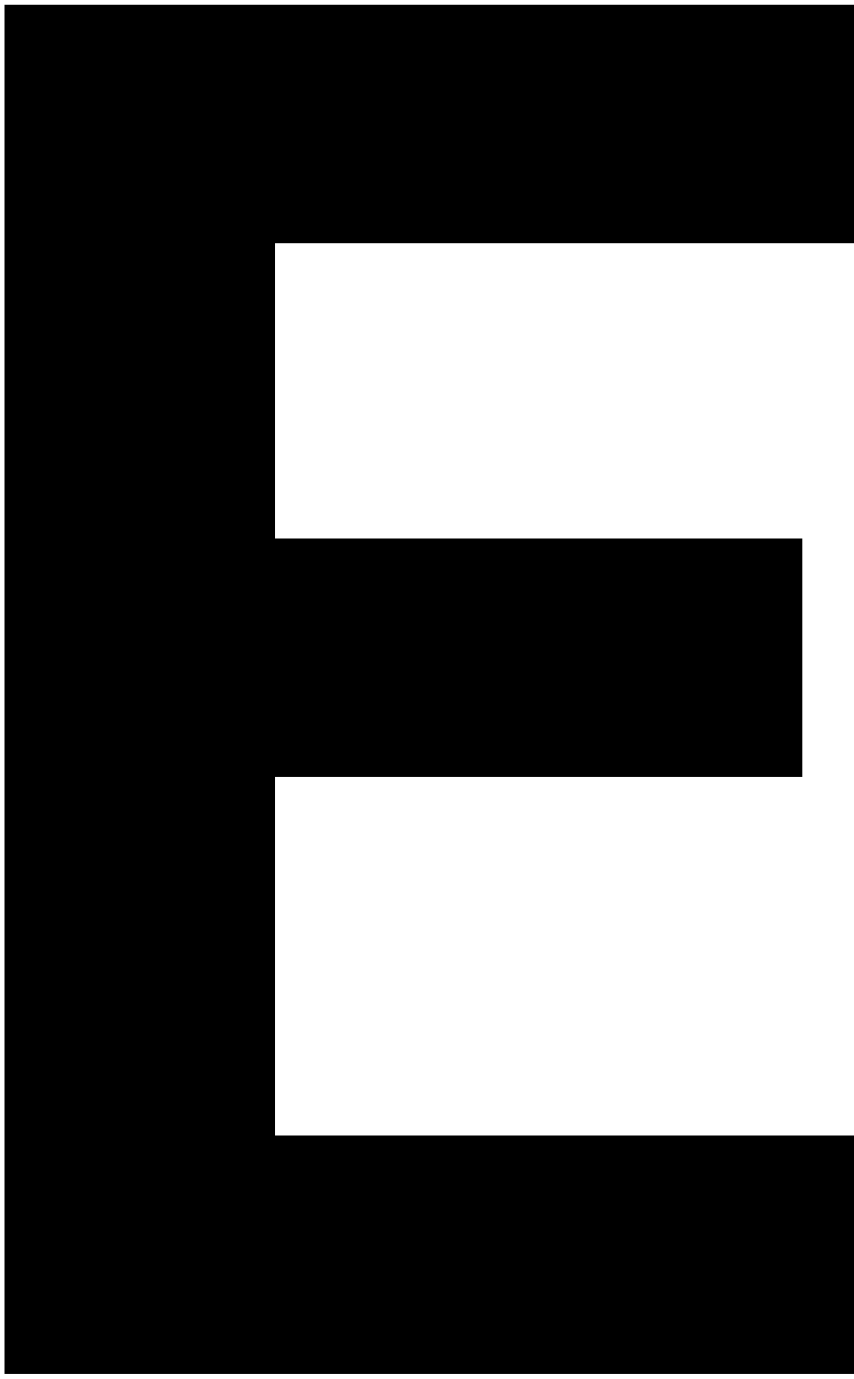
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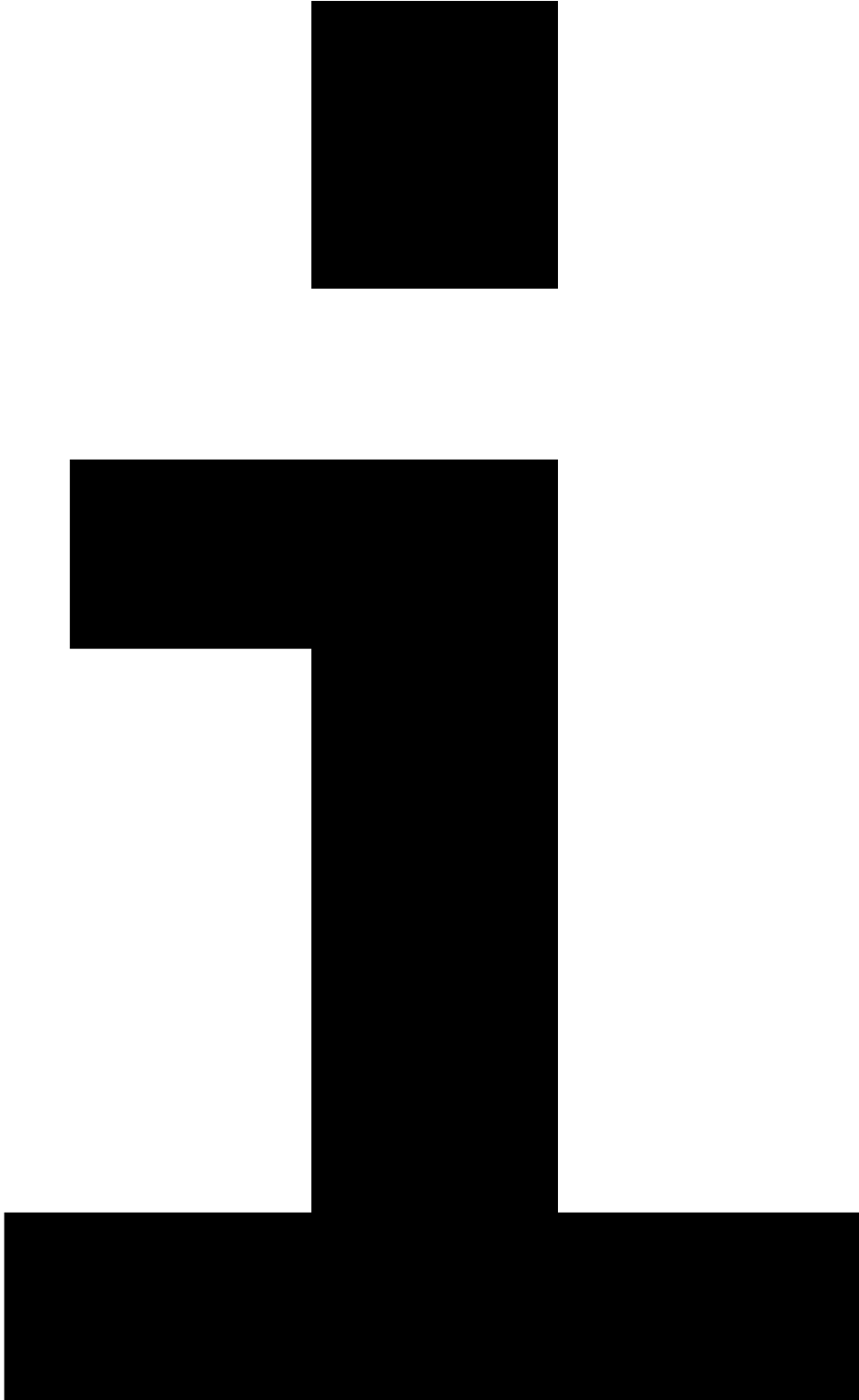
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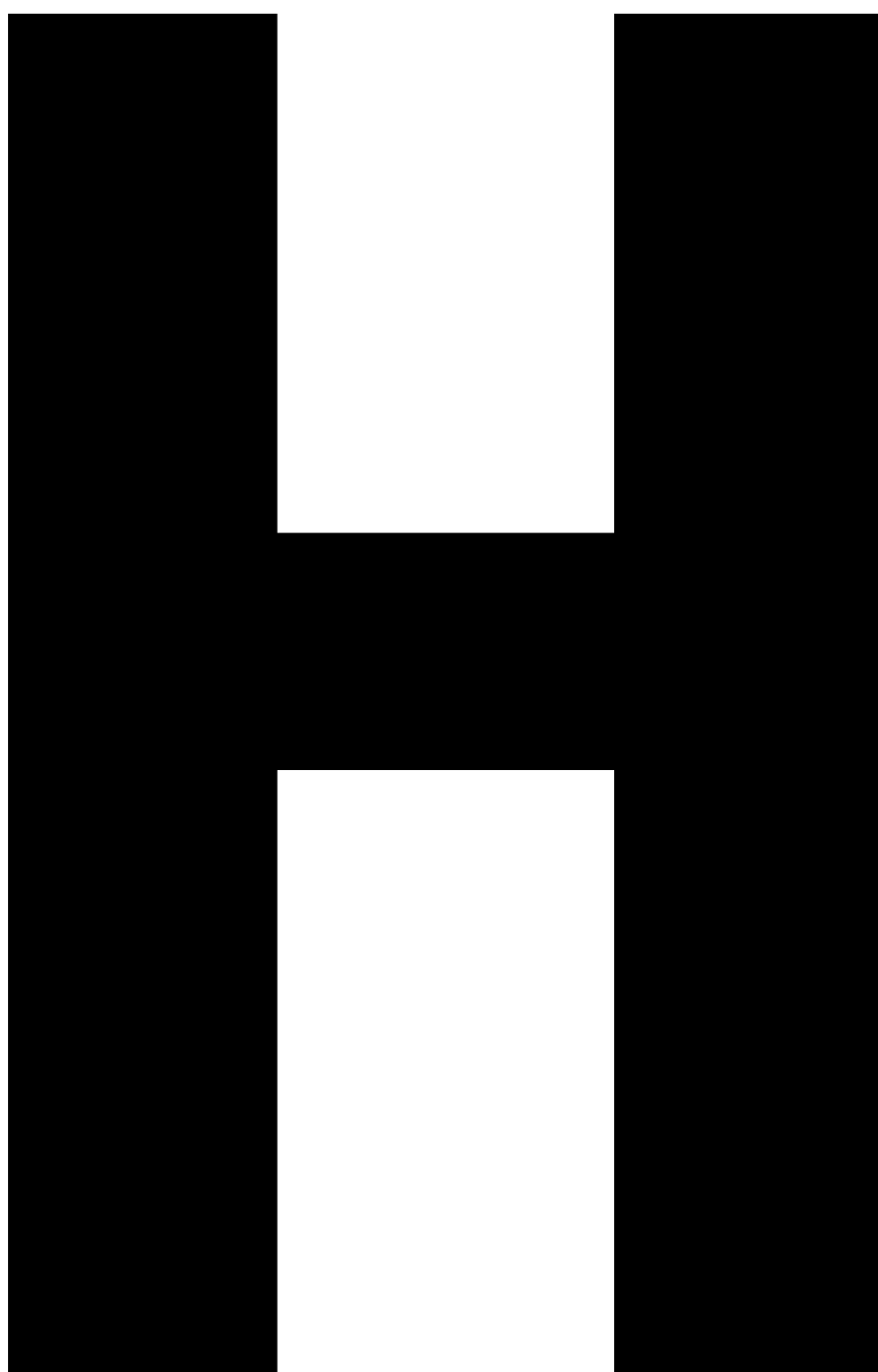


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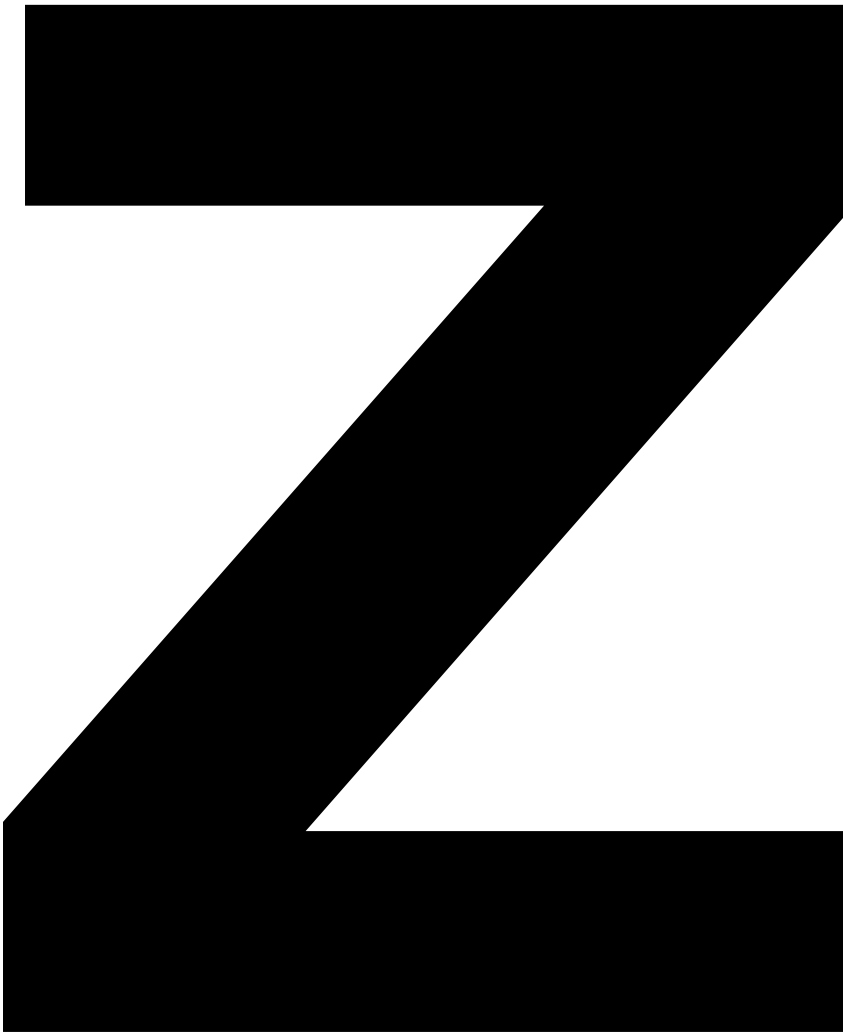
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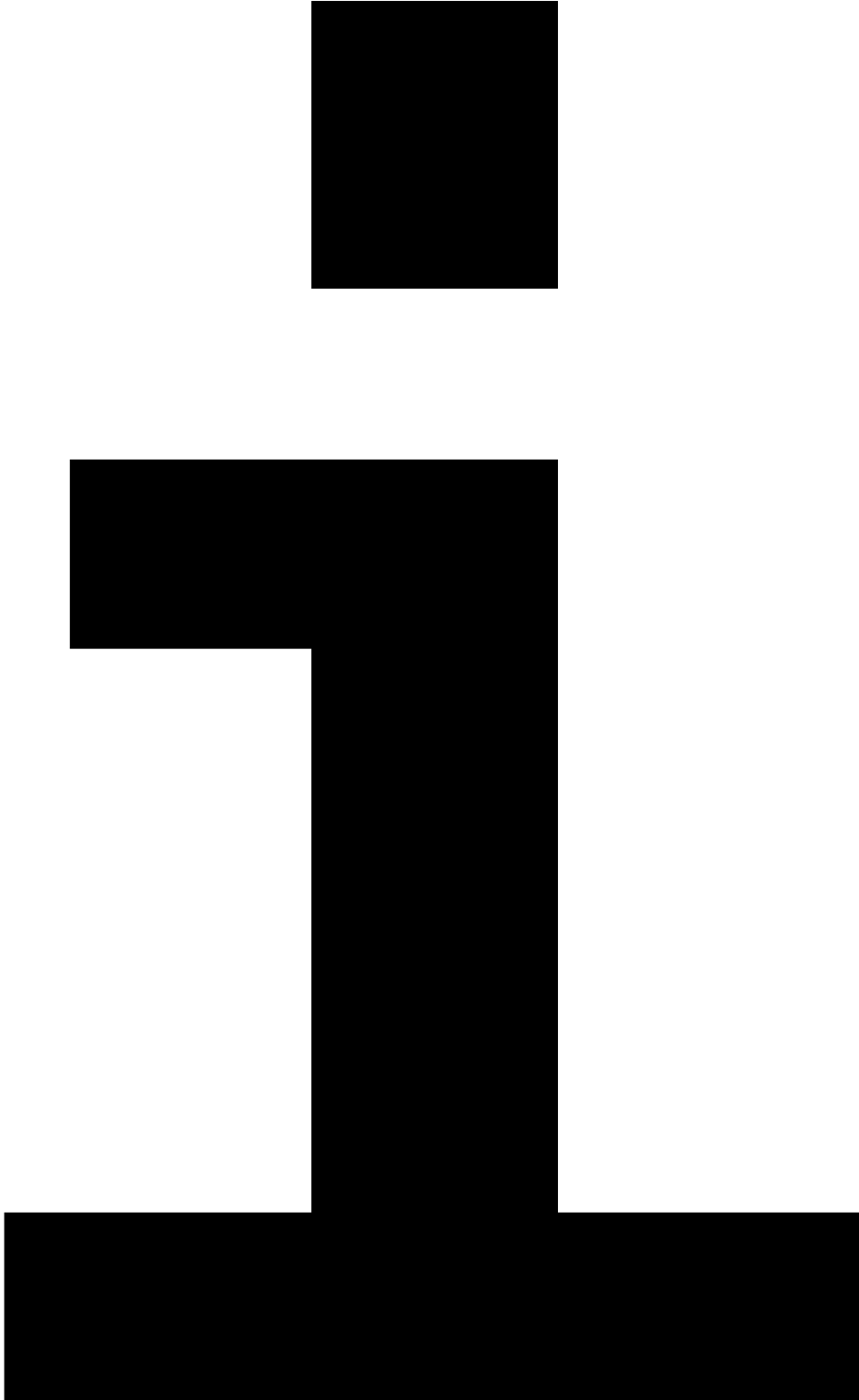
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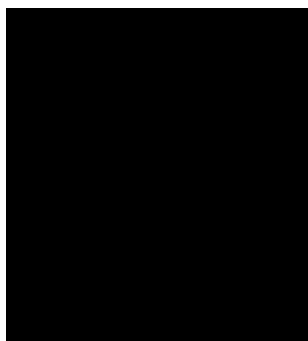


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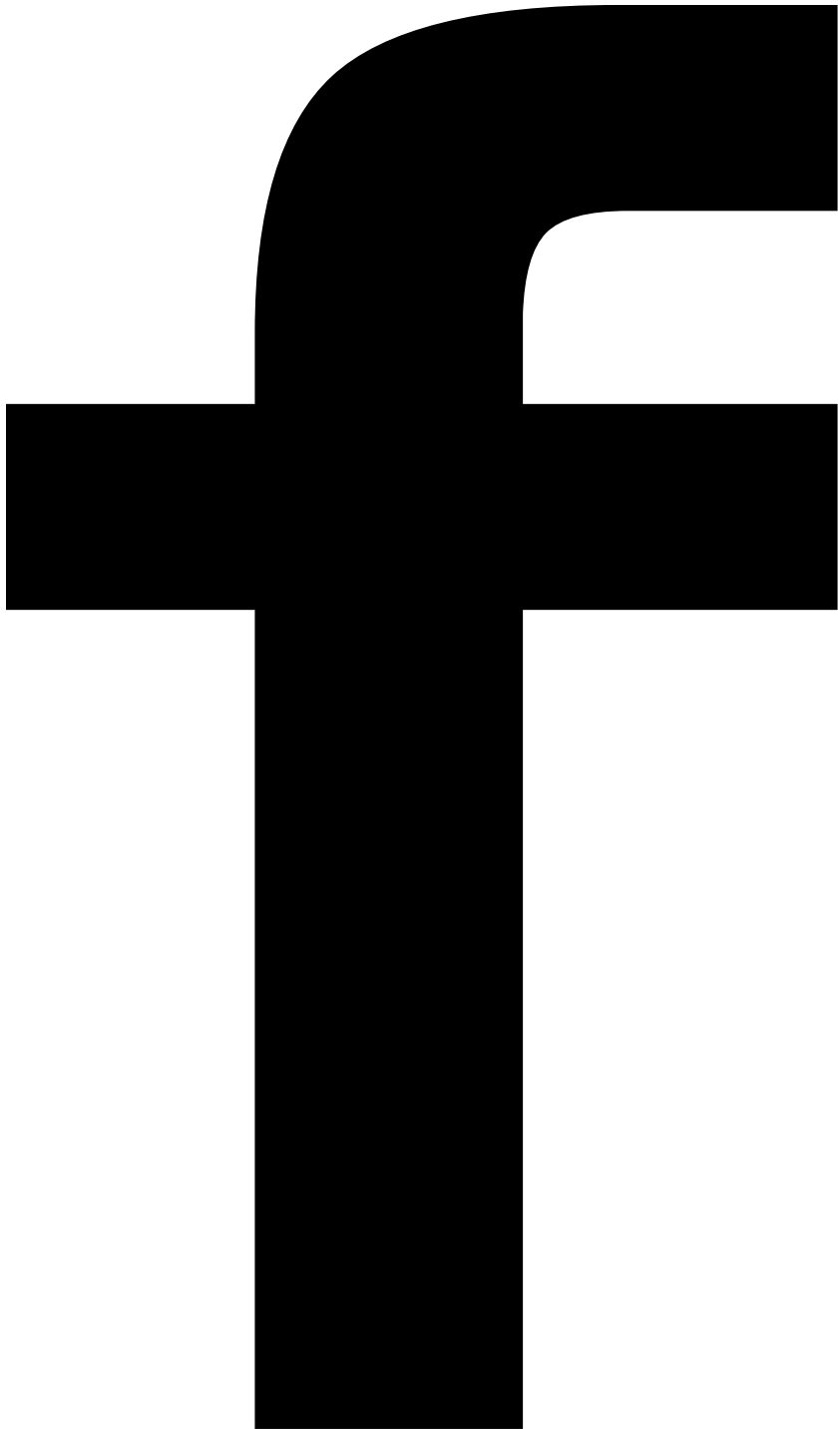
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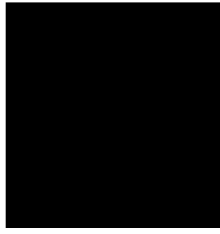
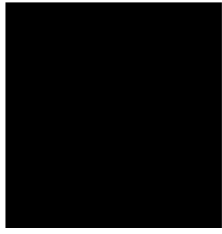


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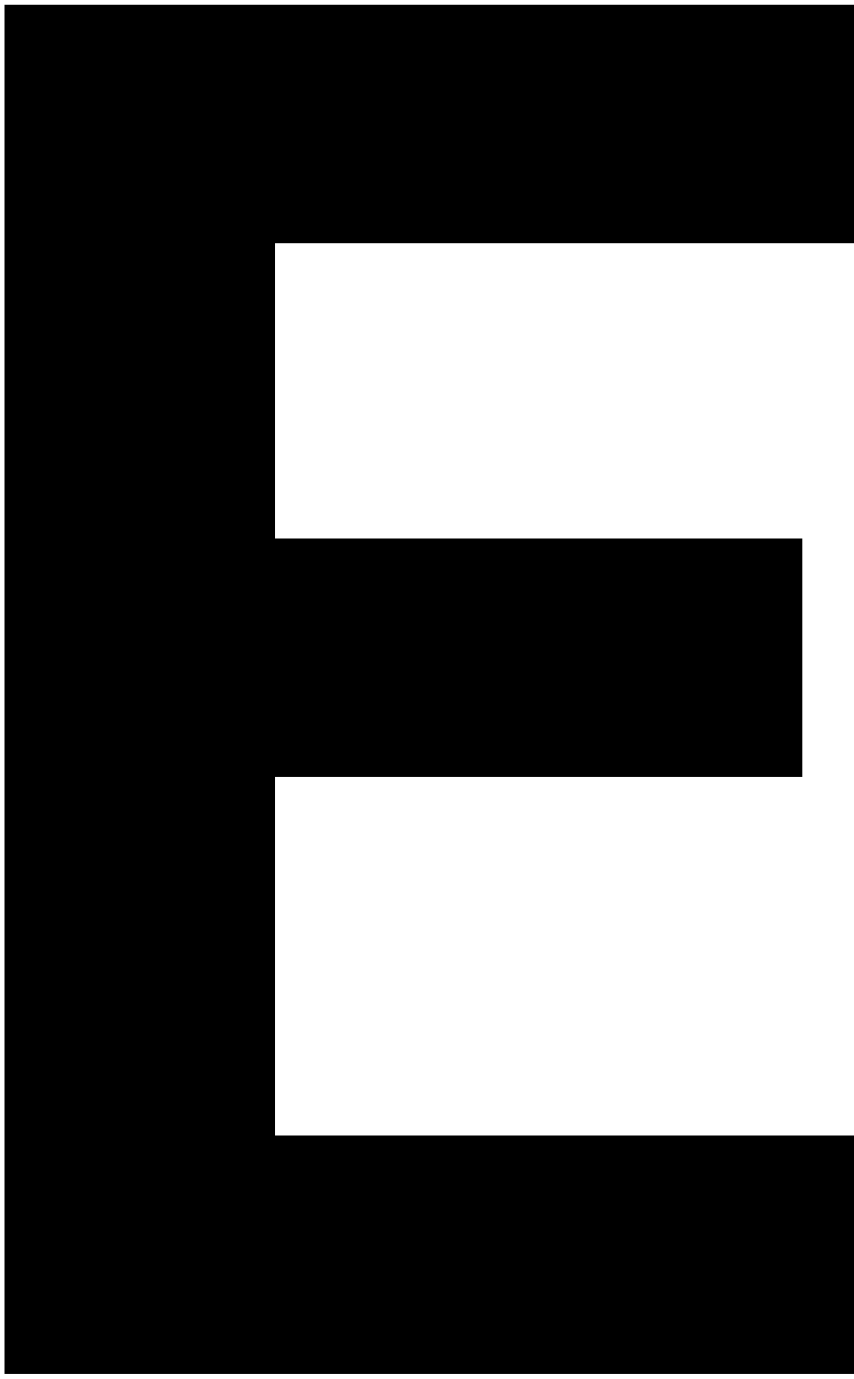




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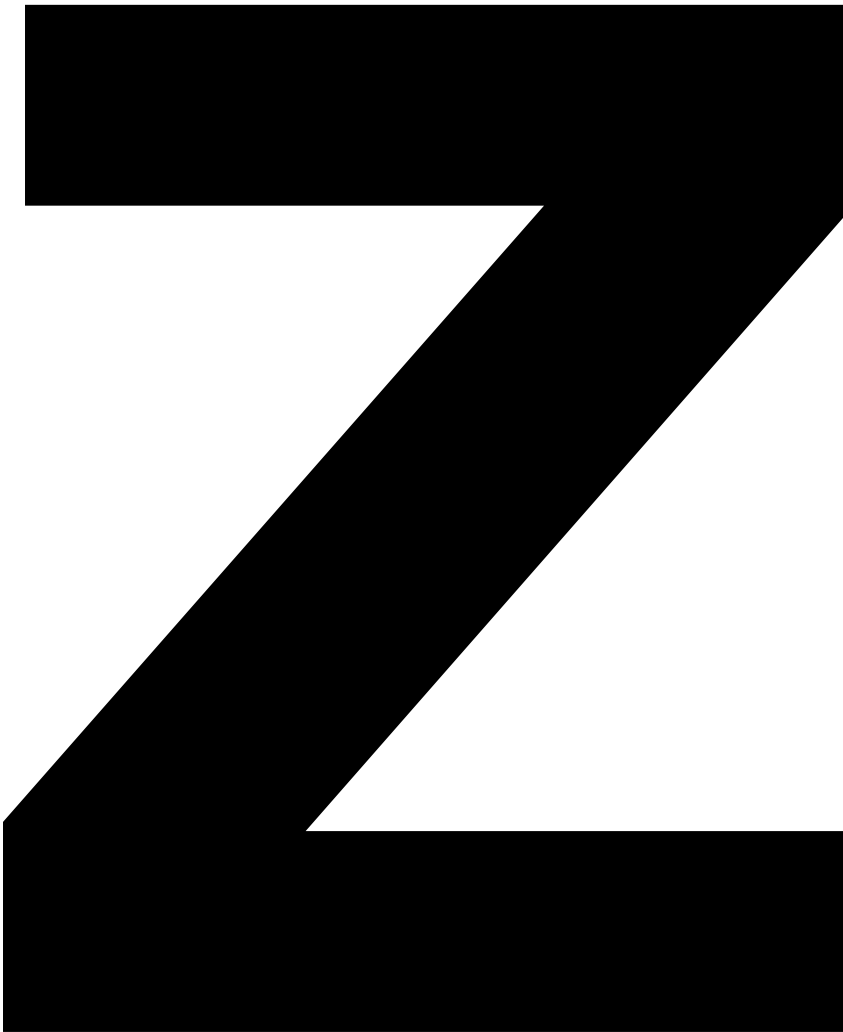
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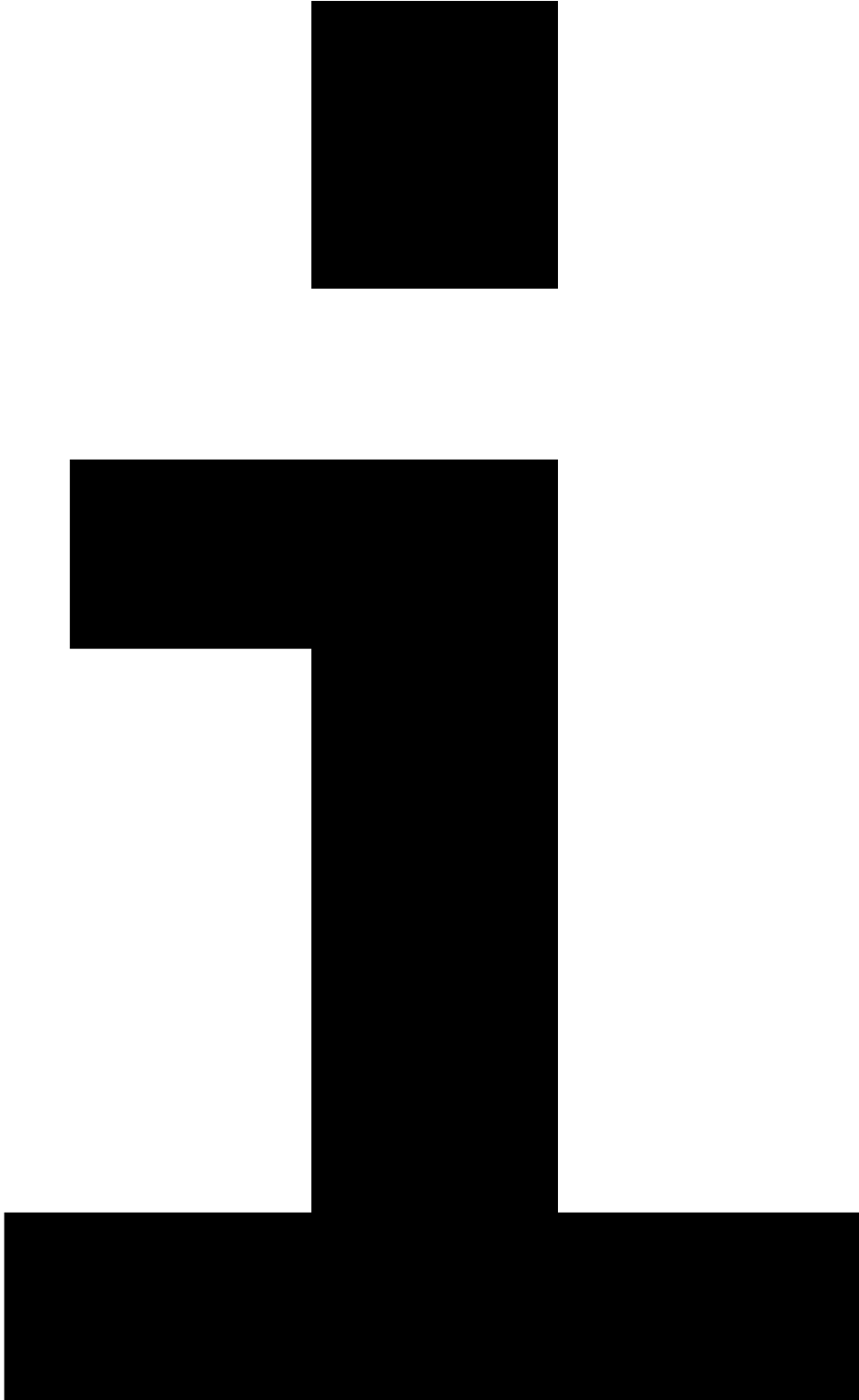


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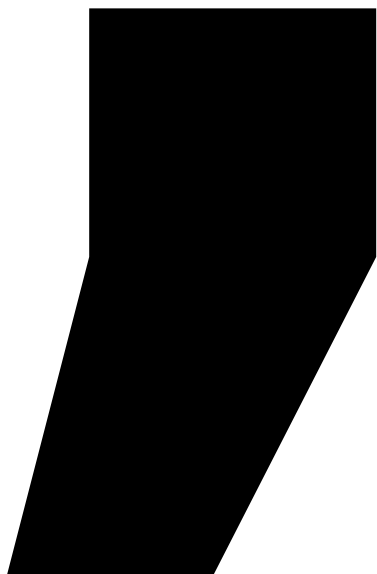
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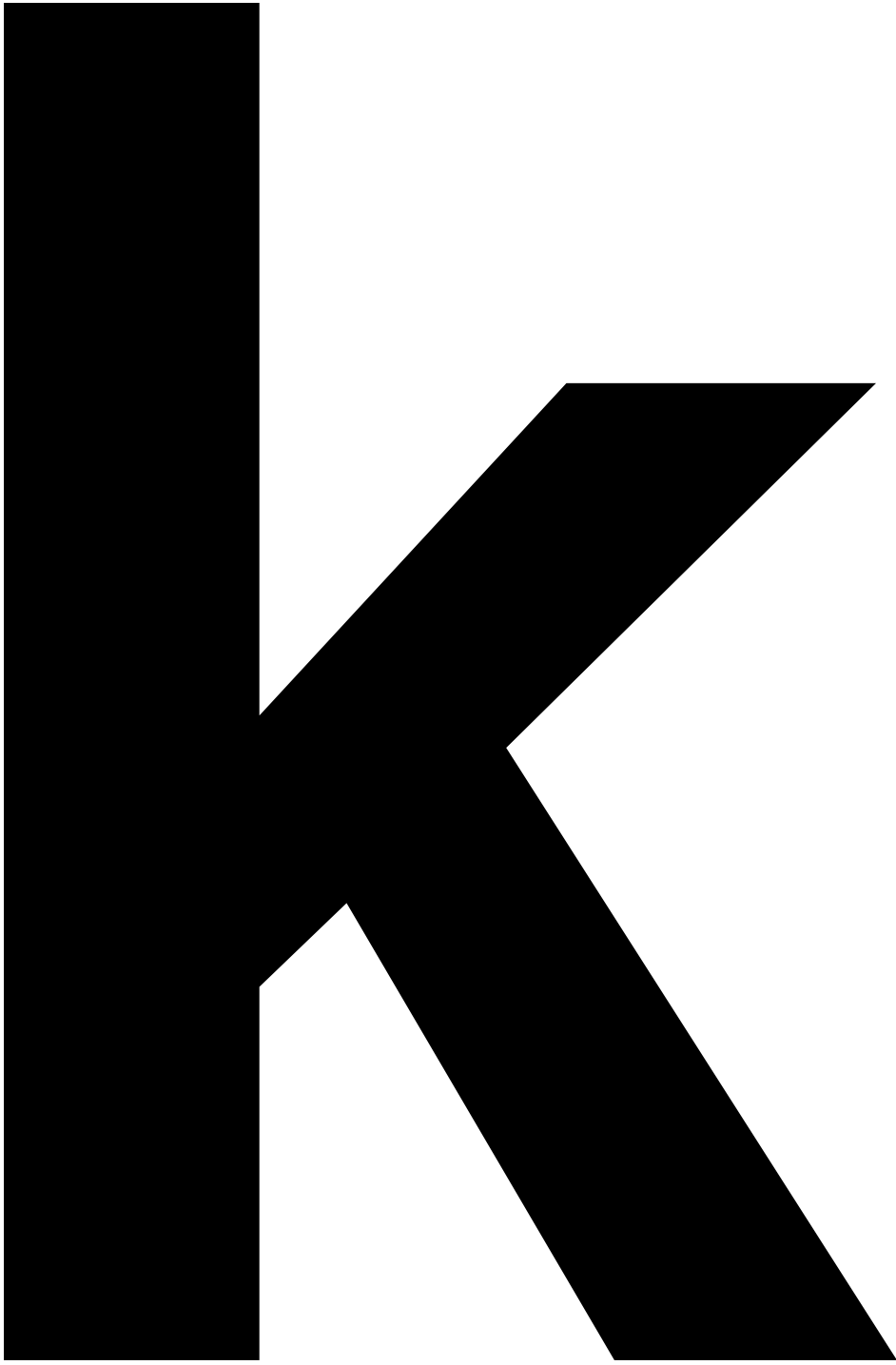


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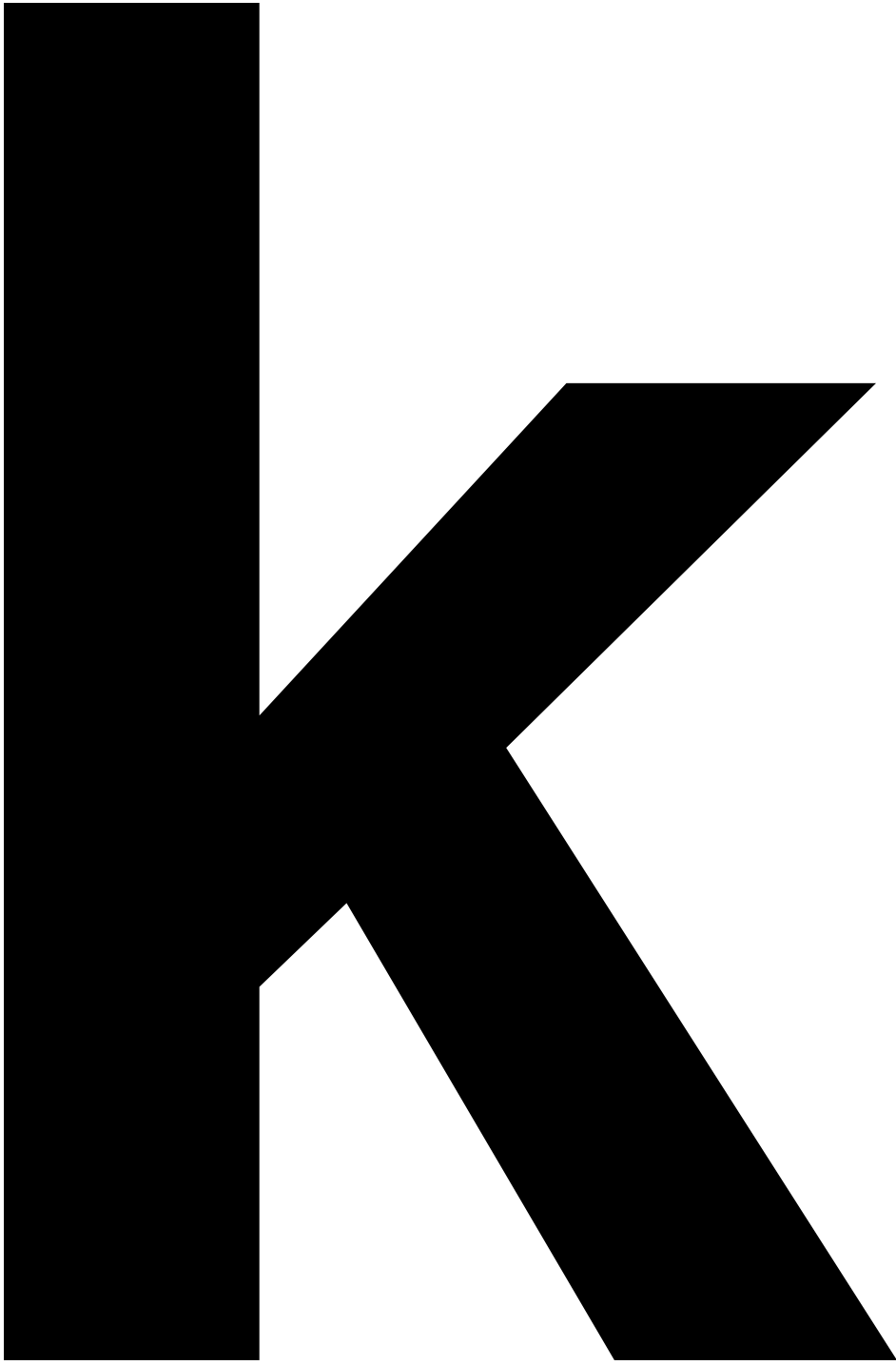
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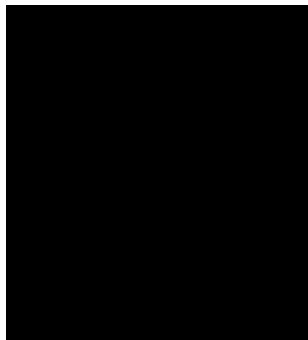


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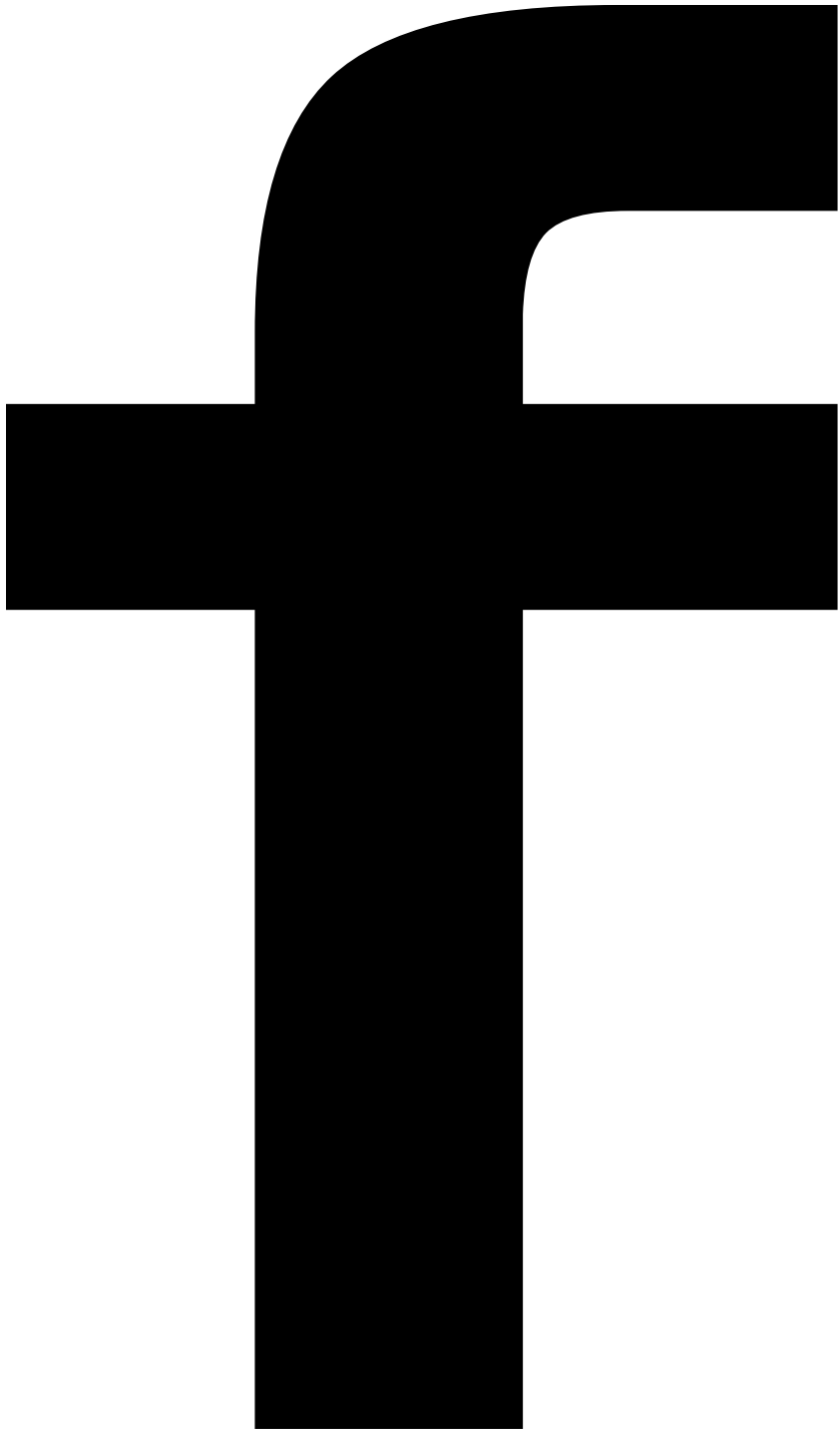


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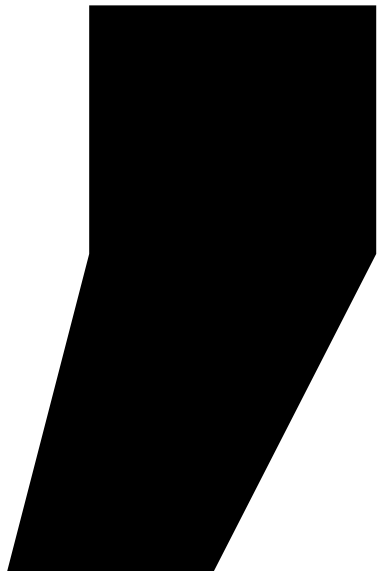
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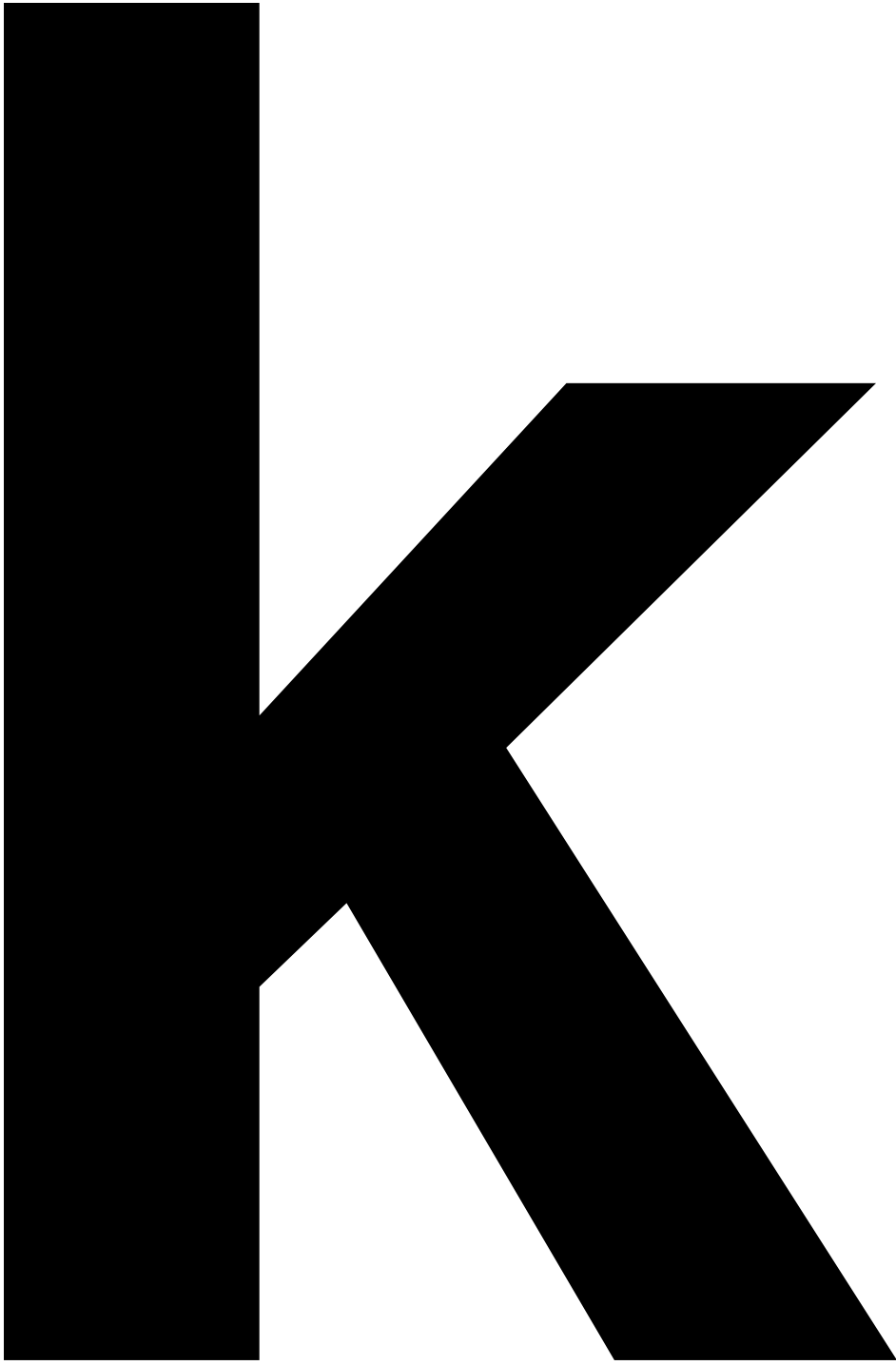
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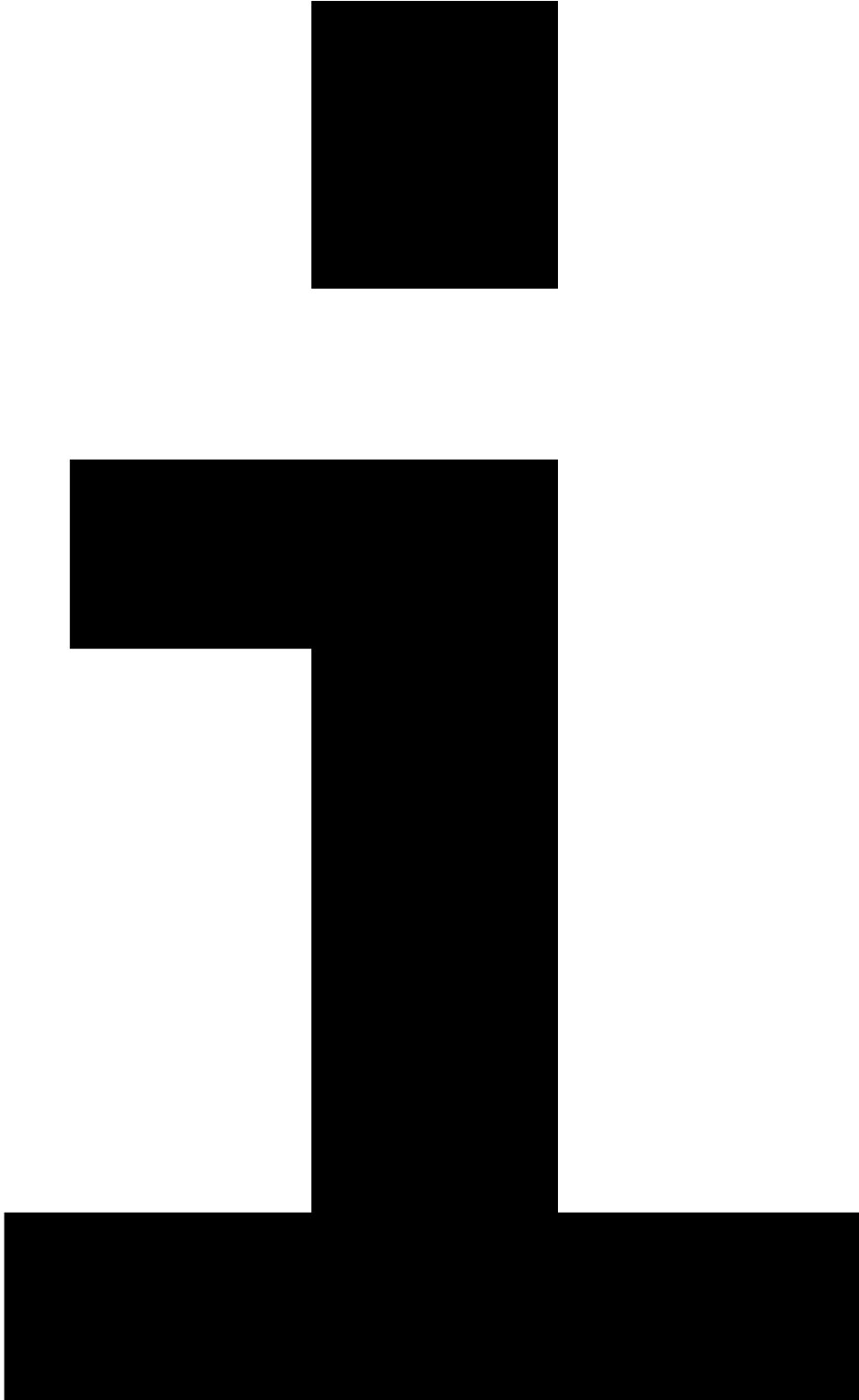
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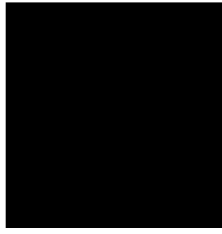
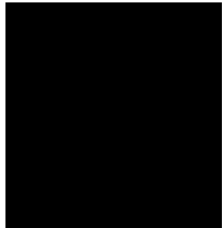
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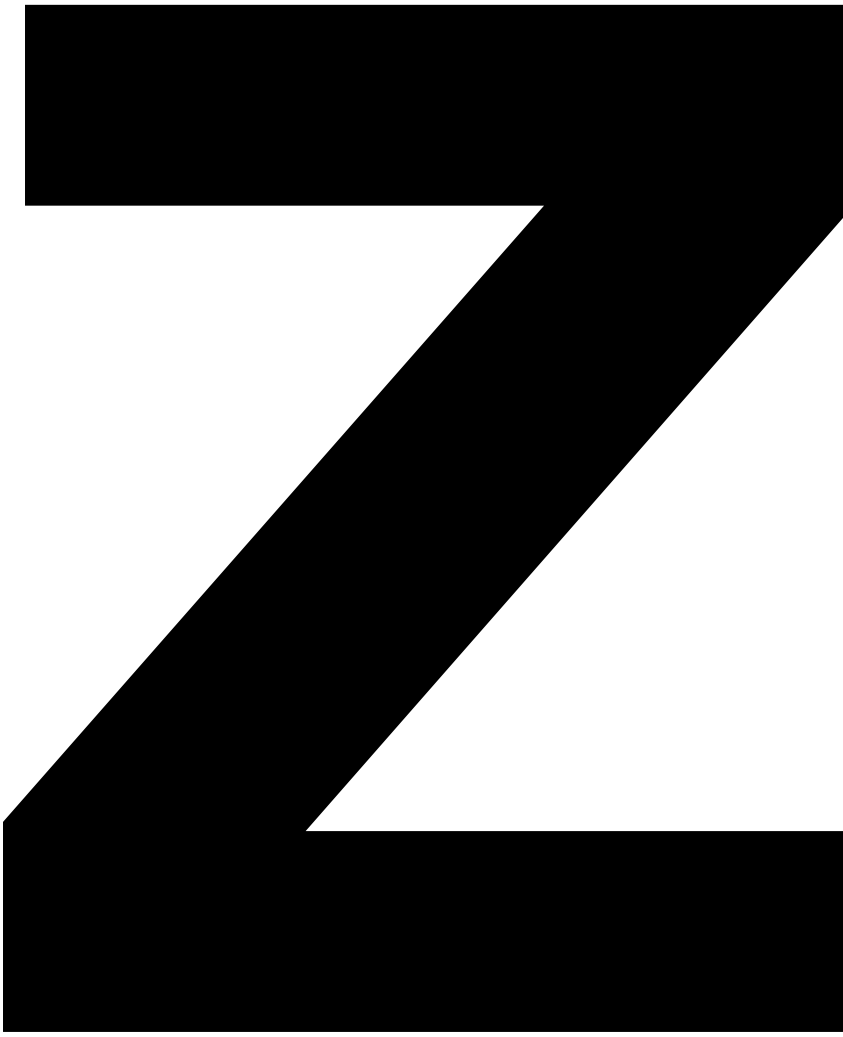
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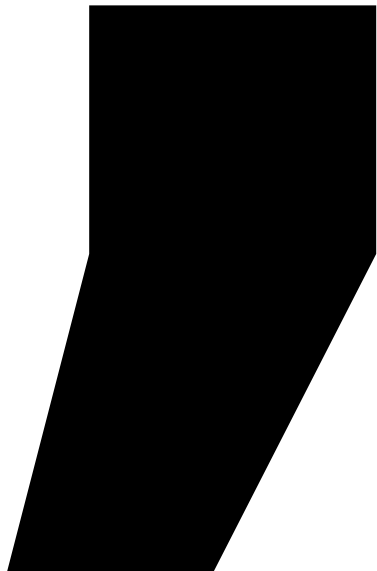
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