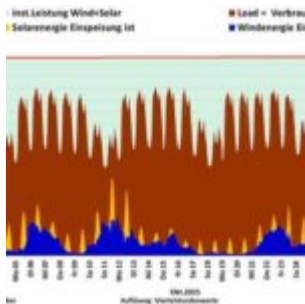


# Wind und Solareinspeisung im Oktober 2015\*



## Wind und Solareinspeisung im Oktober 2015\*

Aktueller Erfolg des Ausbaus der Neuen Energien:

KLIMARETTER.INFO [meldet](#): Aus erneuerbaren Quellen werden dieses Jahr voraussichtlich rund 33 Prozent des Stromverbrauchs in Deutschland abgedeckt.

Die Hintergrundinformation dazu stammen vom Lobbyverband [bdew](#) und dem ZSW.

Wenn Lobbyverbände und NGOs Erfolge zu „neuen Energien“ melden, lohnt es sich die Angaben zu hinterfragen. Wir machen es anhand der Oktoberwerte der Ökostrom-Einspeisung Deutschlands.

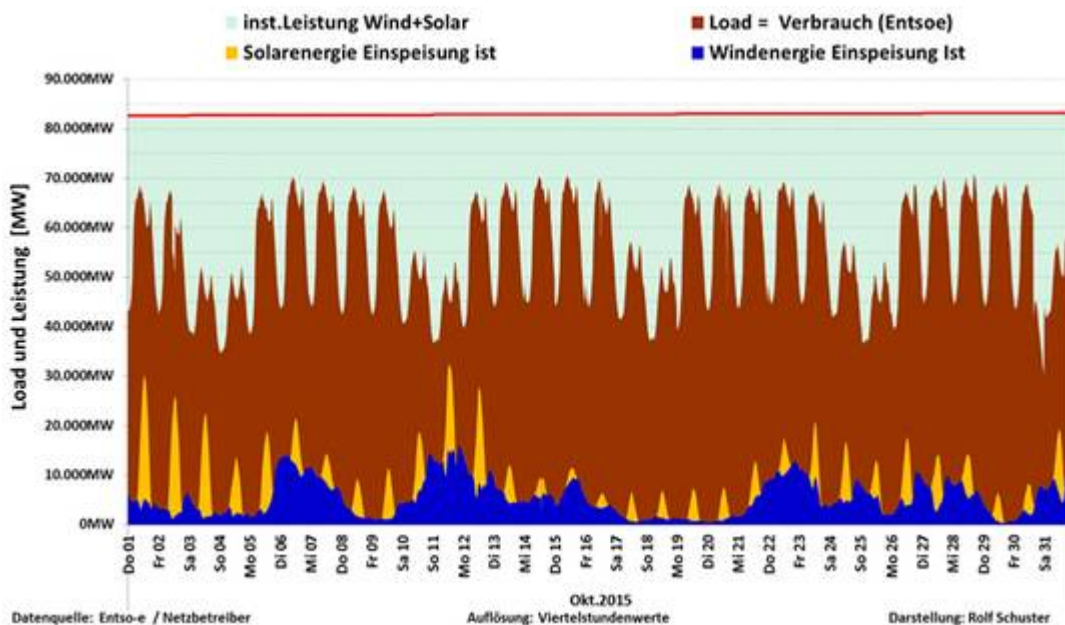


Bild1 Elektroenergie Verbrauch und Ökostromeinspeisung im Oktober 2015

Okt 2015	Load D	Wind	Solar	Wind + Solar	
inst. Nennleistung		43.703MW	39.496MW	83.199MW	
Max	71.091MW	15.929MW	24.873MW	32.432MW	38,98%
Mittelwert	54.949MW	5.344MW	2.613MW	7.957MW	9,56%
Min	30.372MW	359MW	0MW	405MW	0,49%
Summe Monat	40.937GWh	3.982GWh	1.946GWh	5.928GWh	14,48%

Bild2 Ökostrom Bereitstellungsdaten / Verbrauch Oktober 2015

## Fazit der Oktobereinspeisung

**Von der installierten Leistung (dafür ist der Netzausbau erforderlich) wurden wirklich bereitgestellt:**

**Wind: 12,2 % (5,35 von 43,7 GW)**

**Solar: 6,7 % (2,61 von 39,5 GW)**

**Vom Gesamtstrombedarf wurden eingespeist: Summe 14,48 % (5,93 von 41 GWh)**

## Konsequenz (Bild3):

**Alleine um den Gesamtbedarfs-Mittelwert im vergangenen Oktober rein rechnerisch zu decken, hätte der Ausbau ca. das 7-Fache des aktuellen betragen müssen.**

**Trotzdem wäre damit aber noch nicht 1 St. konventionelles Kraftwerk überflüssig geworden. Denn:**

- **Während 60 % des Monats wurden weniger als 10 % der Leistung bereitgestellt.**

- **Während 92,6 % des Monats waren es ca. 20 %**

- **Während 99,2 % des Monats waren es unter 30 %, bzw, 0,8 % des Monats lag die Leistung über 30 %**

**Betrachtung zum Netzausbau:**

- **60 % der Anschluss- und Verteilnetz-Transportleistungsfähigkeit wurden nie benötigt**

- **70 % der Anschluss- und Verteilnetz-Transportleistungsfähigkeit wurden nur**

zu 0,8% der Zeit benötigt

Summe der erzeugten Energie	5.928GWh	
Verteilung der Einspeisung nach Klassen		
0% bis 10% NL	440,25 h	59,1%
11% bis 20% NL	249,25 h	33,5%
21% bis 30% NL	41,75 h	5,6%
31% bis 40% NL	13,75 h	1,8%
größer 40%	0,00 h	0,0%
Summe	745,00 h	100,0%

**Bild3 Zeit-Verteilung der Öko-Energiebereitstellung**

**Mittelt sich die  
Einspeisung?**

**Bei Energieexperten  
geht das Gerücht  
um, mit genügend  
Ökoausbau würden  
sich die**

**Einspeisungen  
„mitteln“. Da es  
inzwischen bekannt  
geworden ist, dass  
nachts die Sonne  
nicht scheint und  
damit Solar keinen  
Strom liefert  
(ausser in Spanien,  
wo bei zeitweise  
extremen  
Einspeisevergütungen**

**n Dieselgeneratoren  
angeblich nachts  
„Solarstrom“  
erzeugten), gilt  
dass dann ja Wind  
wehen wird.**

**Zumindest sind  
davon Bärbel Höhn  
(Bündnis 90/Die  
Grünen) als sich  
selbst ernannte  
Energieexpertin**

**„Die Energiewende  
funktioniert. So“**

**und Professor**

**Jürgen Schmidt,**

**seines Zeichens**

**Leiter des**

**Fraunhofer-**

**Instituts für**

**Windenergie und**

**Energie-**

**Systemtechnik**

**(IWES) in Kassel**

**überzeugt:**

**Professor Jürgen  
Schmidt, Zitat:**

***Viel einfacher  
ist es, wenn man  
die***

***Stromversorgung  
europaweit  
aufzieht –***

***irgendwo weht  
immer Wind und***



***scheint die  
Sonne. Dazu  
braucht es aber  
neue  
transeuropäische  
Leitungsnetze,  
mit denen man  
den Strom  
verlustarm  
verteilen kann...***

**Alleine die Tabelle**

**von Bild3 weist  
solche  
Versprechungen in  
das Reich der  
Fabel. Wenn über  
ganz Deutschland  
während 60 % der  
Zeit nicht einmal  
10 % der  
Anschlussleistung  
bereitgestellt  
wird, nutzt selbst**

**eine Verdopplung  
über Europa nichts.  
Neben dem Problem,  
dass bei den dann  
auftretenden  
Transport-  
Leistungsverlusten  
selbst mit HGÜ-  
Verbindungen das  
bisschen an  
möglichem  
„Mittelwert-Gewinn“**

**leicht im  
Leitungsnetz  
verloren geht  
(Probleme der  
Stromautobahnen).**

**Was sagt der  
Lobbyverband jedoch  
zu solchen Zahlen:**

***Frithjof Staiß,  
geschäftsführend***

**es**

***Vorstandsmitglied***

***d des ZSW,***

***ergänzt: "Wenn***

***Erneuerbare***

***Energien nunmehr***

***rund ein Drittel***

***des Strombedarfs***

***decken, wird***

***deutlich, dass***

***sich dieses***

***Element der***

***Energiewende auf  
einem  
vielversprechend  
en Weg befindet.  
Der steigende  
Anteil von  
regenerativen  
Quellen macht  
Deutschland  
immer  
unabhängiger von  
fossilen***

***Energieträgern  
und trägt damit  
zur Erreichung  
seiner  
Klimaschutzziele  
bei.***

**Was sagt ein  
Realist bei der  
gleichen  
Datenbasis:**

**Die Daten des ZSW  
weisen 2050 für  
Deutschland ein  
Öko-**

**Installationsziel  
von 250 GW aus[1].**

**Mit diesem**

**Ausbaustand im Jahr  
2050 hätten von der  
im Oktober  
benötigten,  
mittleren**



**Elektroenergie  
gerade einmal 45 %  
geliefert werden  
können.**

**Nimmt man gnädig  
an, zur Gewinnung  
der zur (wegen des  
Volumens auch 2050  
nicht möglichen,  
bzw. unbezahlbaren)  
Zwischenspeicherung  
erforderlichen**

**Menge mit der  
doppelten Nenn-  
Anschlussleistung  
auszukommen,  
benötigt man im  
Jahr 2050  
erheblich mehr als  
die 4-Fache  
Anschlussleistung  
der im Jahr 2050  
dafür geplanten  
Installationen. Wie**

man da von einem  
*„vielversprechenden  
Weg“* sprechen kann,  
bleibt ein  
Geheimnis dieses  
Lobbyisten. Zudem  
zeigen die  
verblüffen  
niedrigen  
*„Grundlastwerte“*  
deutlich, warum mit  
Ökoenergie keine

**Grundlastbereitstellung möglich ist und Deutschland weiterhin nicht auf seine konventionellen Kraftwerke verzichten kann.**

**Fazit**

**In**

**Wirklichk**

**eit**

**zeigen**

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**Zahlen**

**schon**

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**kommende  
Desaster  
der  
deutschen  
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**nde auf .**



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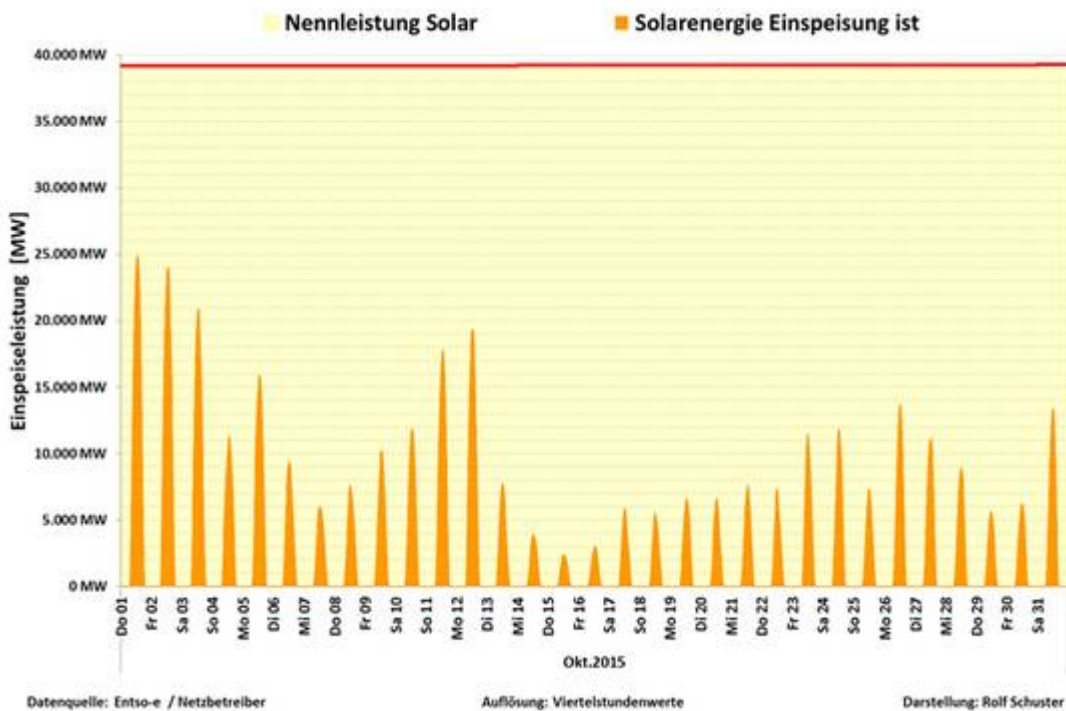
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**Okt 2015**

	<b>Kennzahlen Solar</b>	<b>Proz. der Nennleist.</b>
<b>inst. Nennleistung</b>	<b>39.496MW</b>	<b>100,0%</b>
<b>max. Einspeiseleistung</b>	<b>24.873MW</b>	<b>63,0%</b>
<b>Mittelwert</b>	<b>2.613MW</b>	<b>6,6%</b>
<b>min. Einspeiseleistung</b>	<b>0MW</b>	<b>0,0%</b>
<b>Summe</b>	<b>1.946,3GWh</b>	

<b>Summe der erzeugten Energie</b>		<b>1.946GWh</b>
<b>Verteilung der Einspeisung nach Klassen</b>		
<b>Einsp. = 0 MW</b>	<b>378,00 h</b>	<b>50,7%</b>
<b>1% bis 20% NL</b>	<b>278,75 h</b>	<b>37,4%</b>
<b>21% bis 40% NL</b>	<b>64,25 h</b>	<b>8,6%</b>
<b>größer 40%</b>	<b>24,00 h</b>	<b>3,2%</b>
<b>Summe</b>	<b>745,00 h</b>	<b>100,0%</b>

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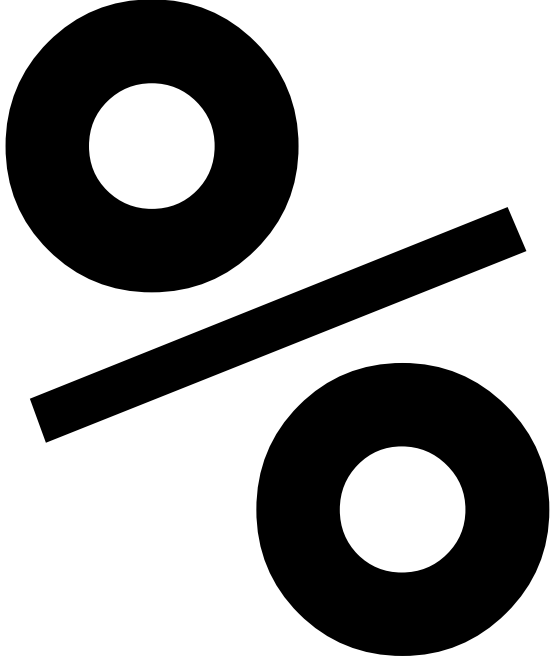


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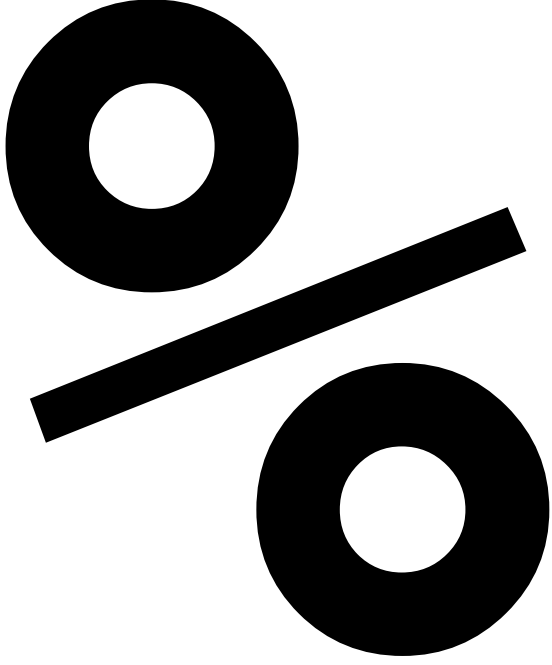
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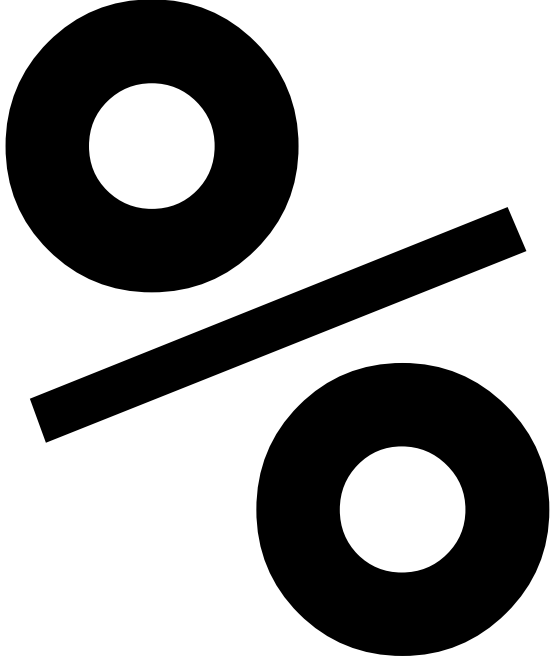


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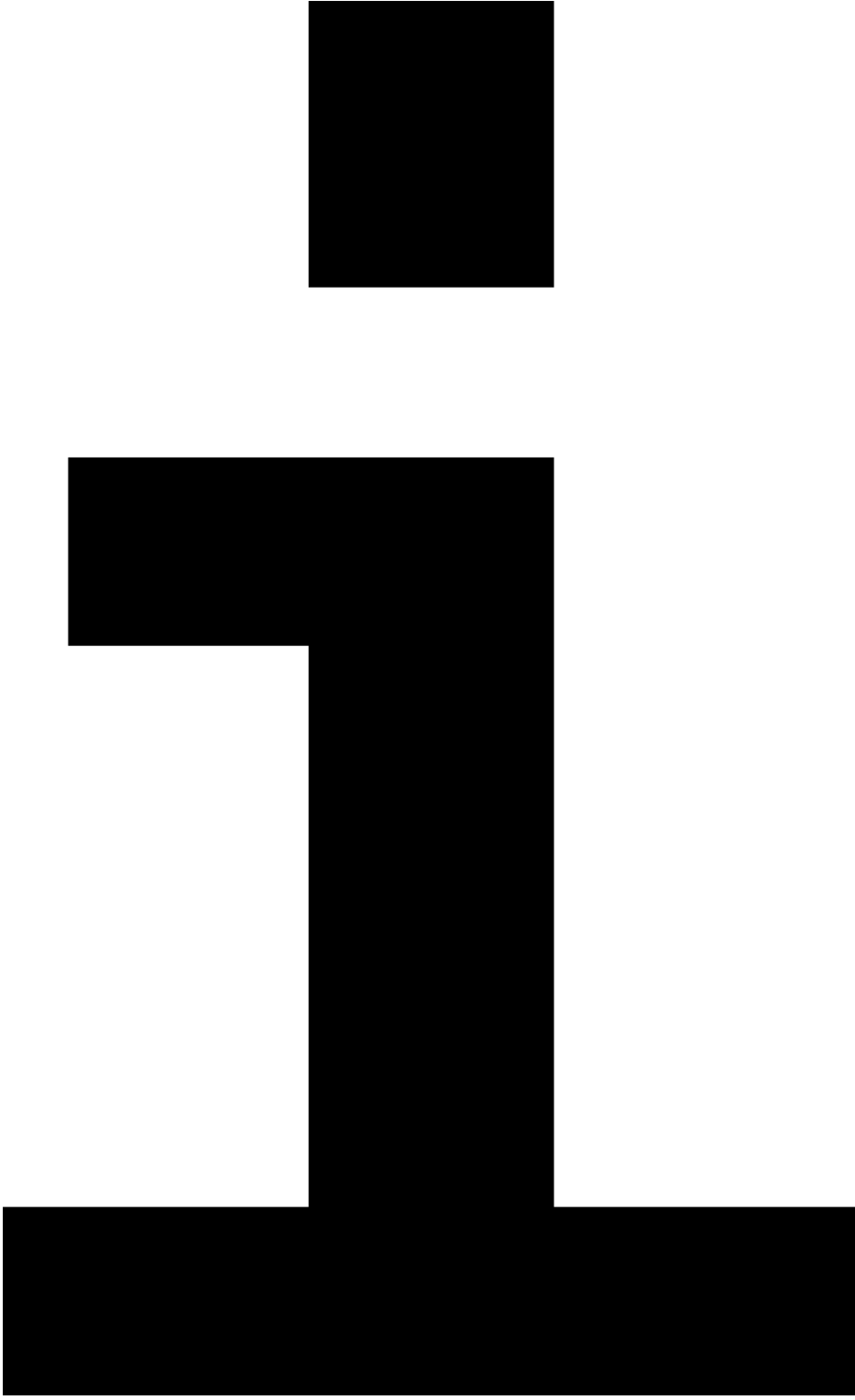
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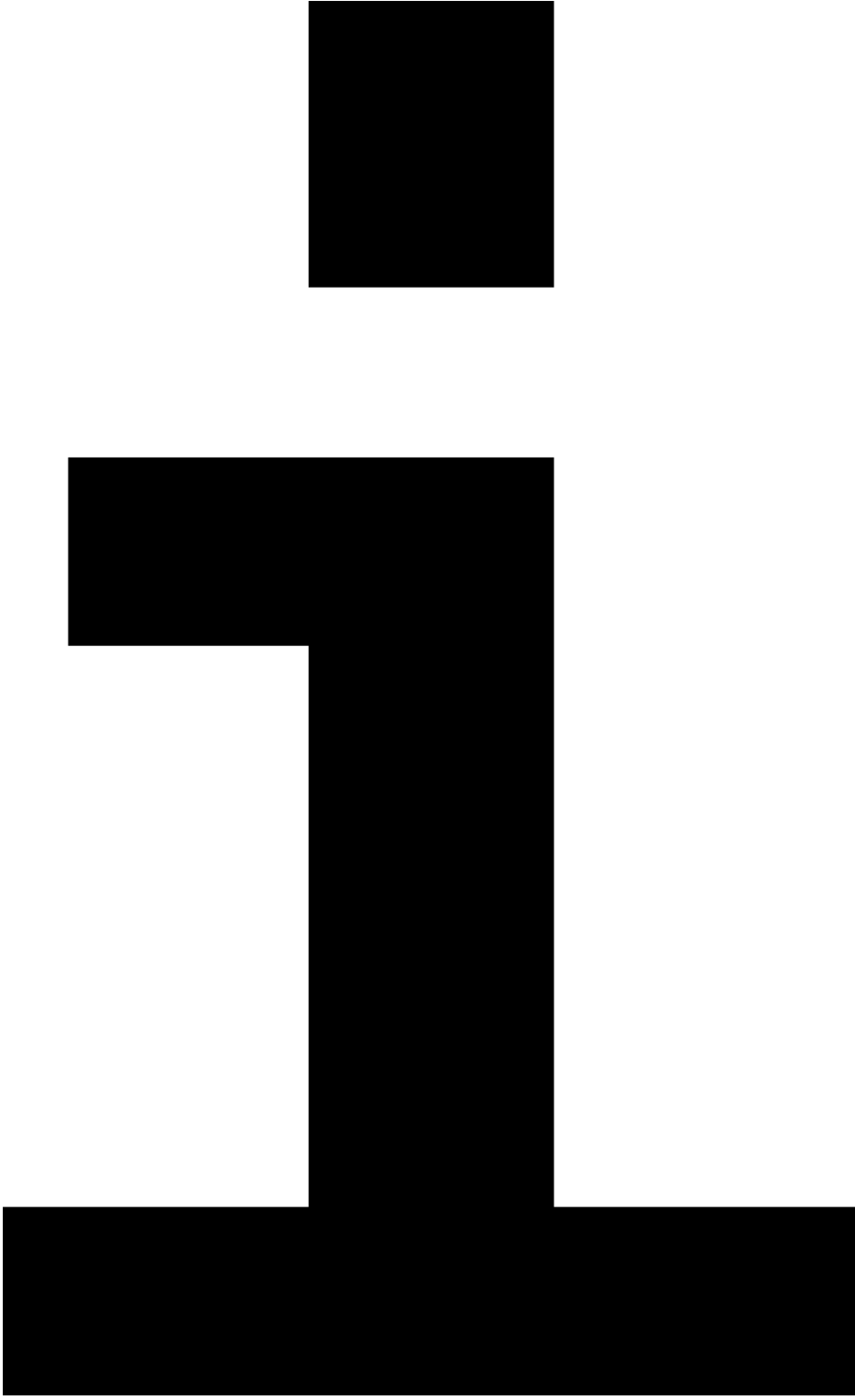
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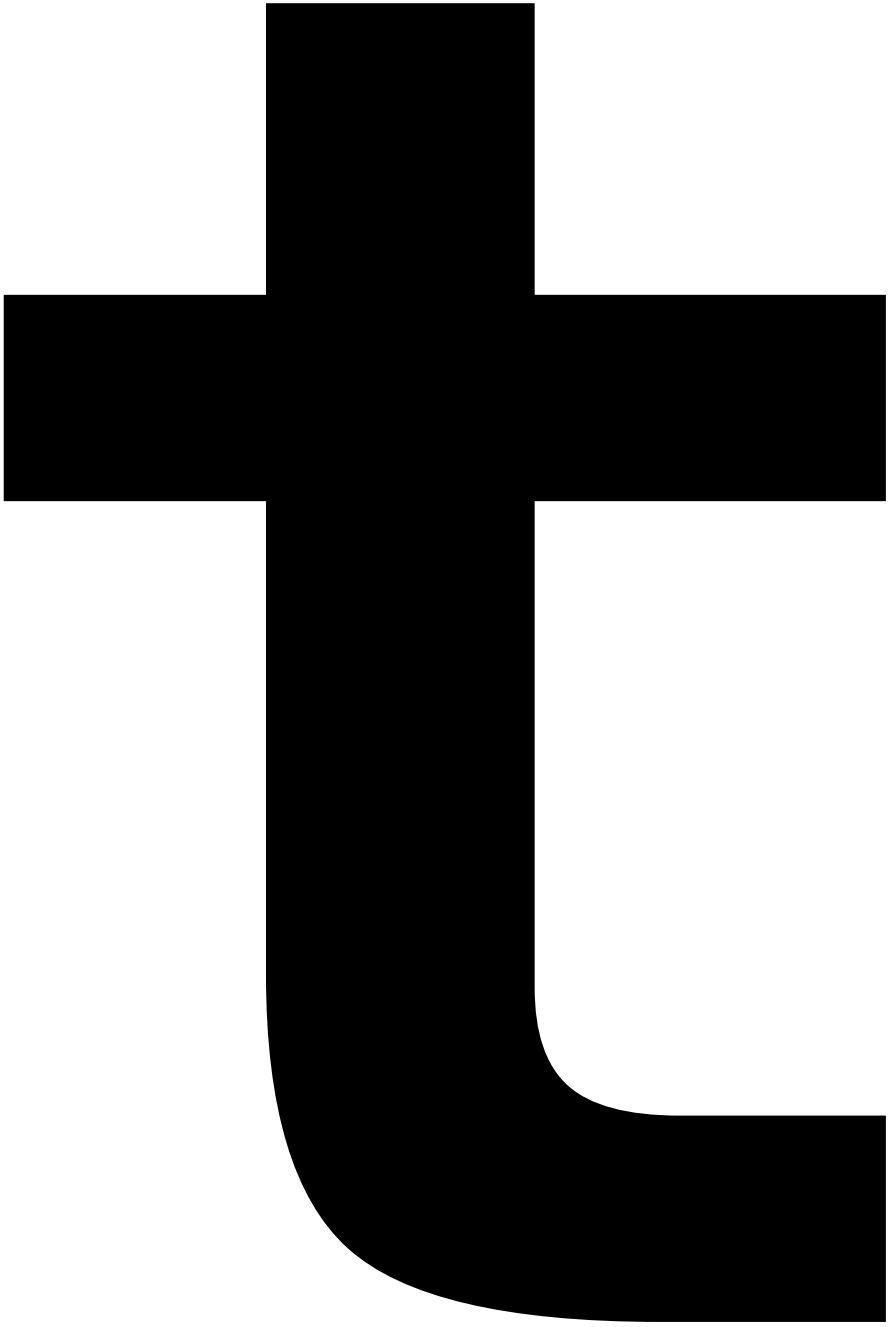
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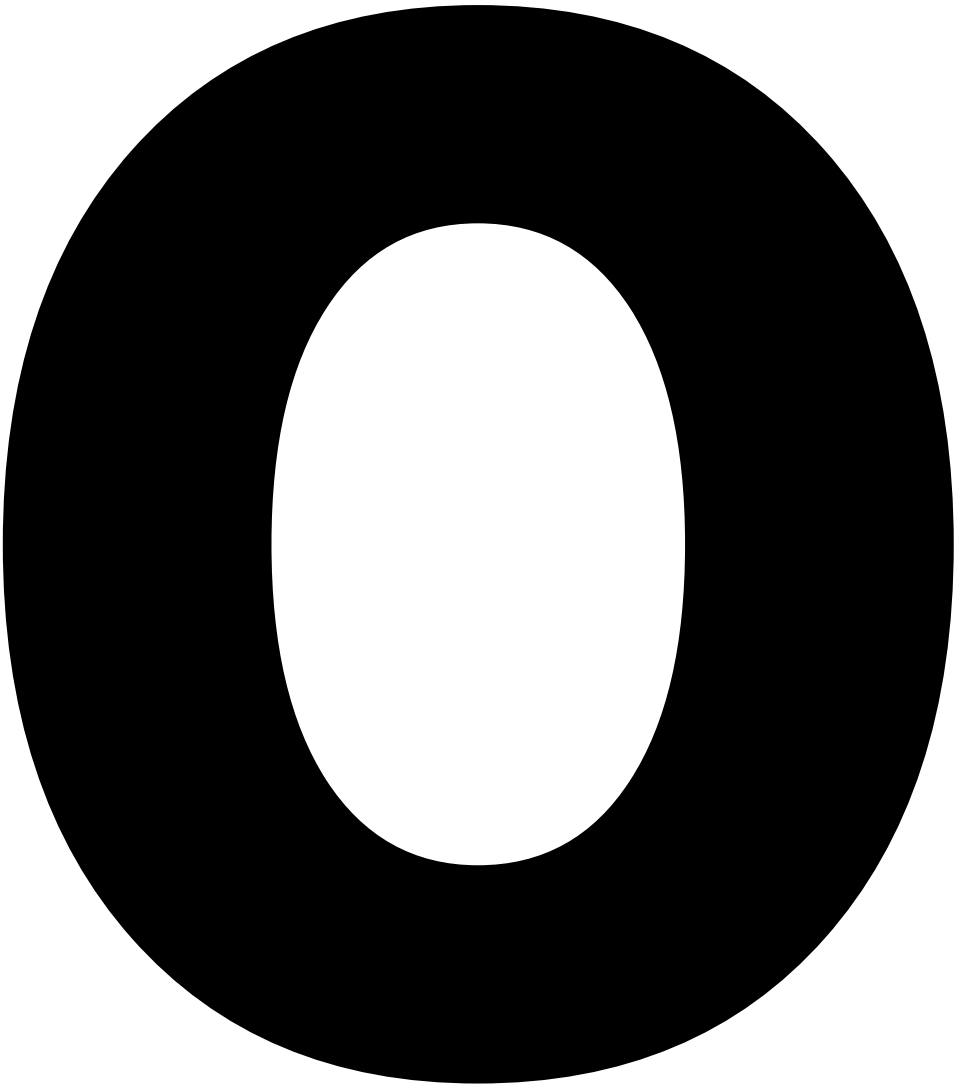






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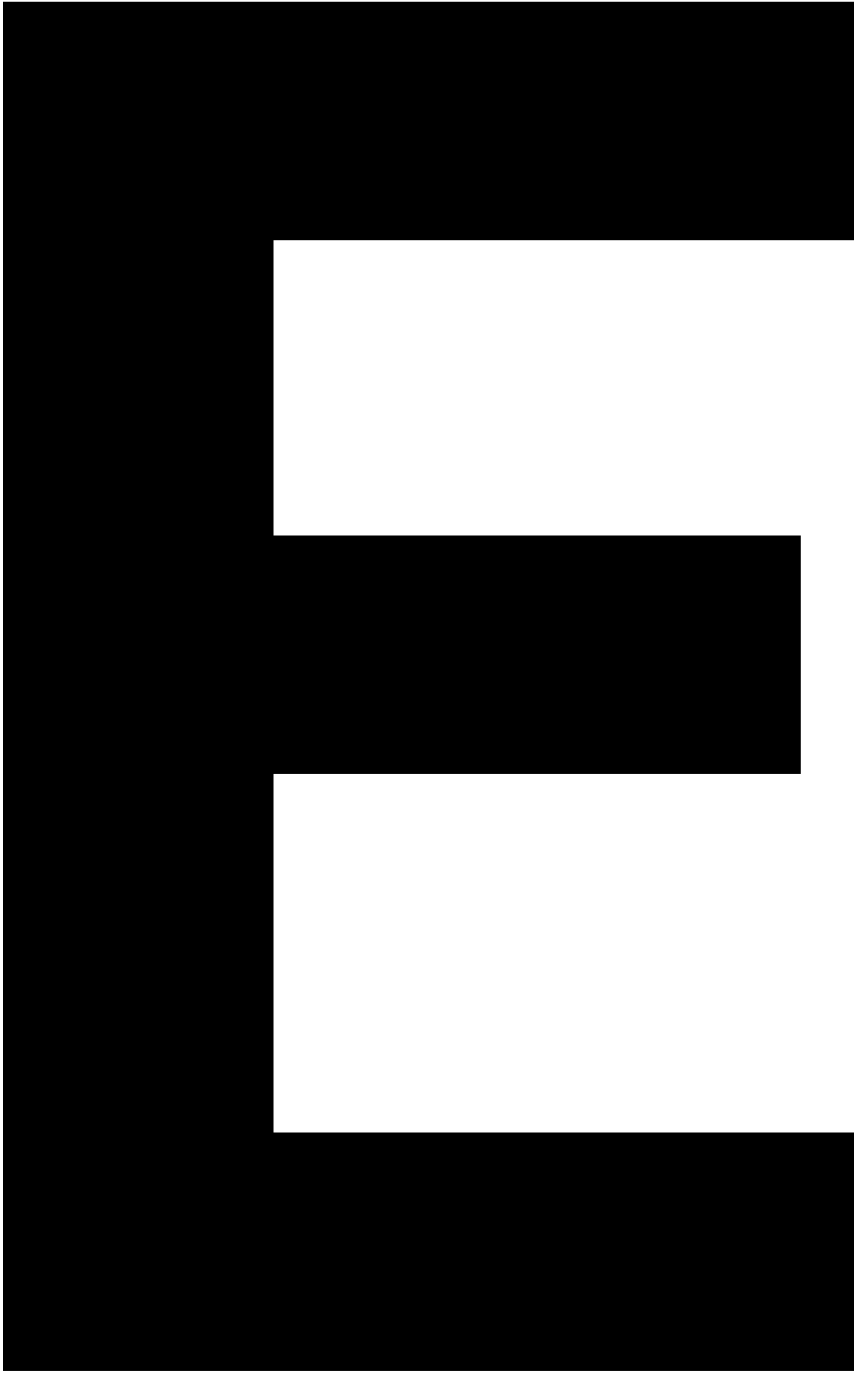


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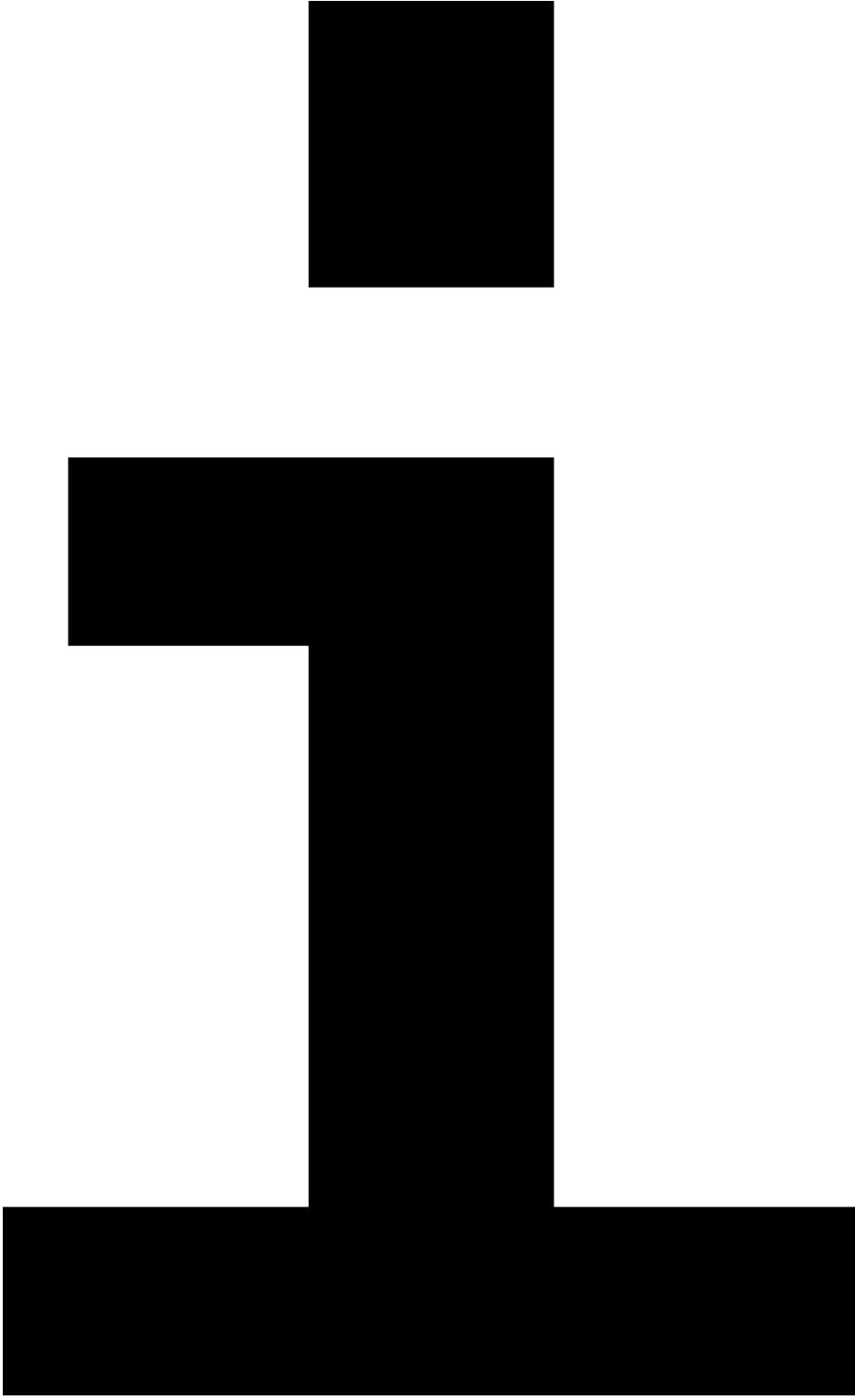
















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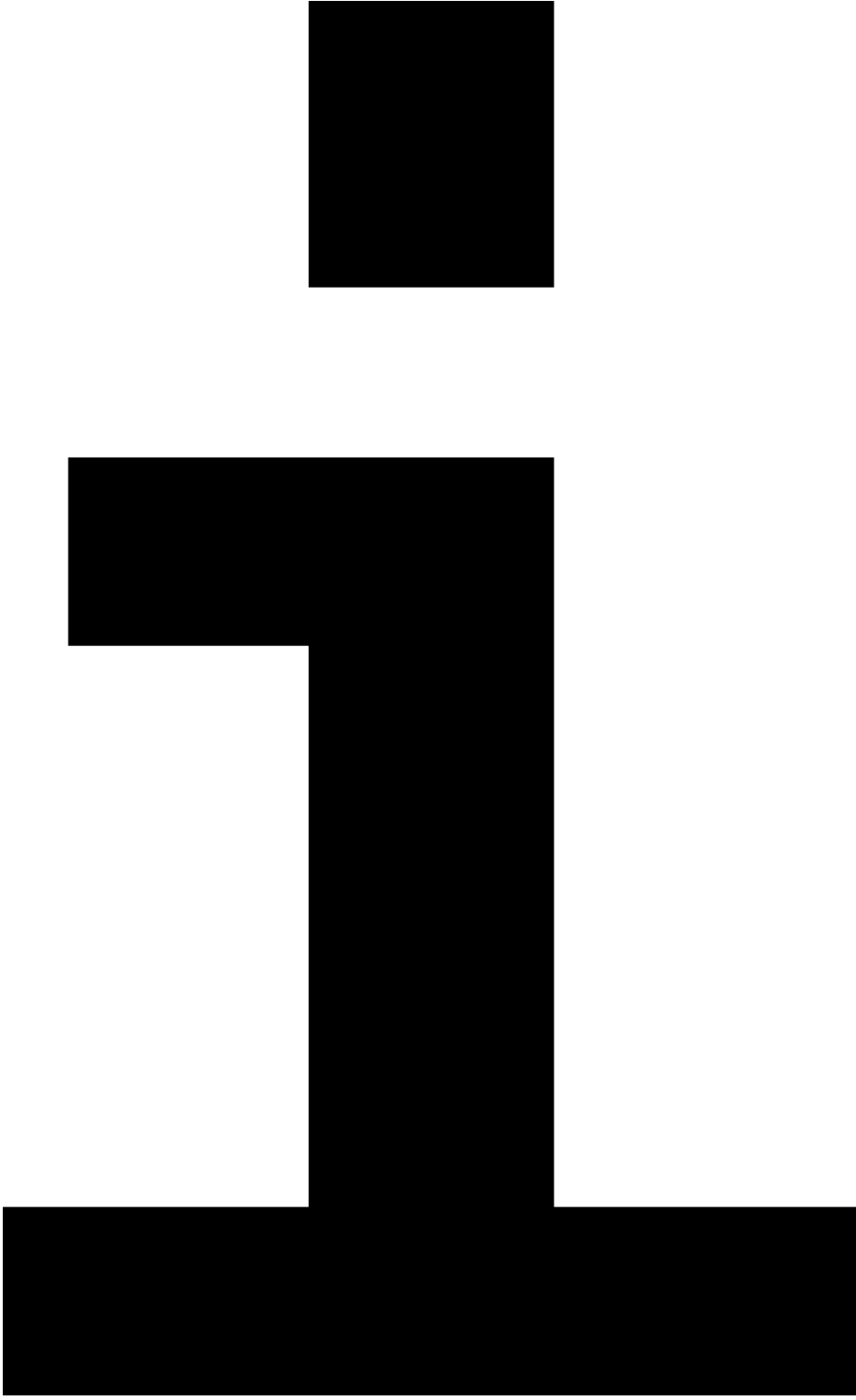
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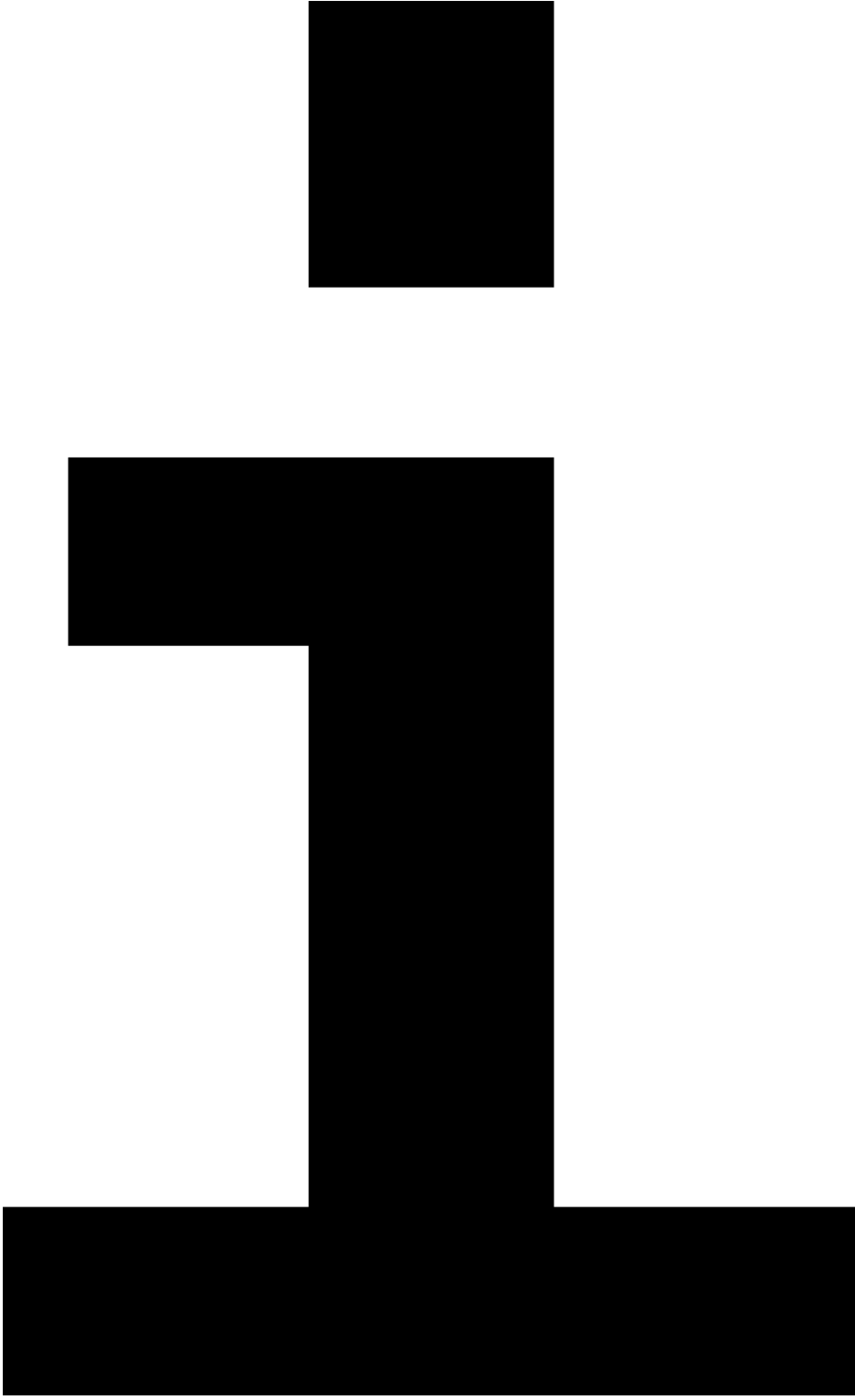
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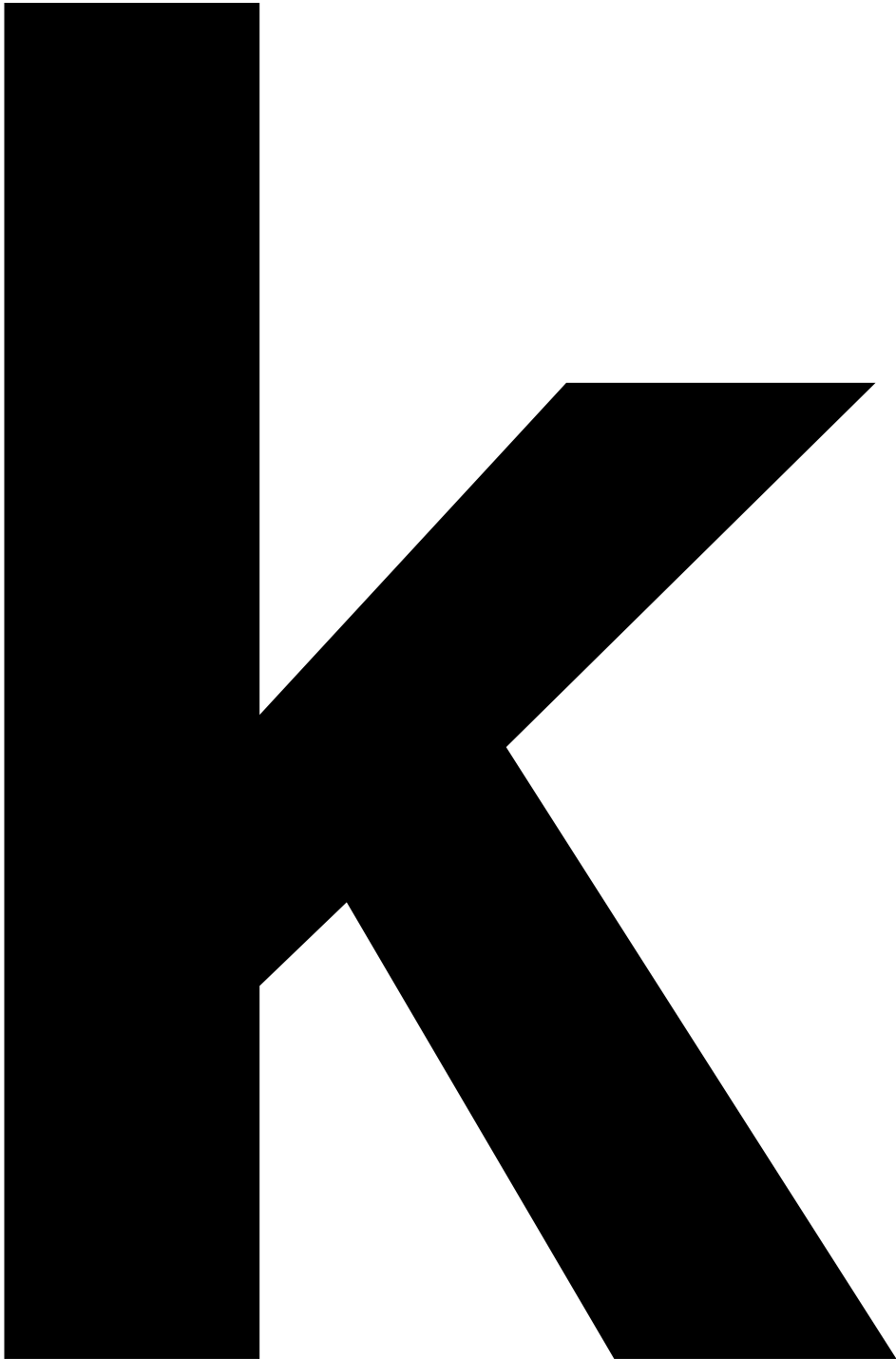
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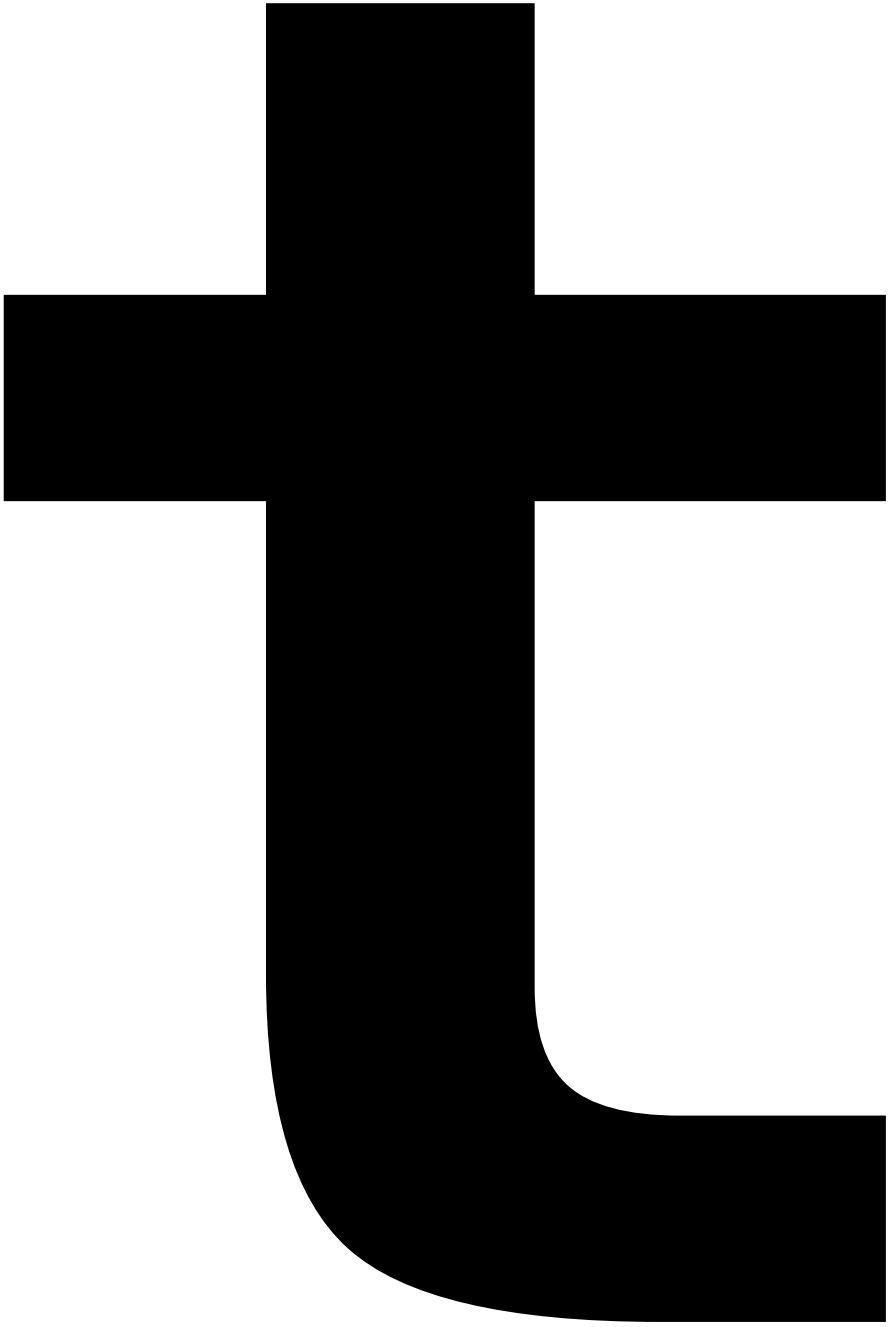
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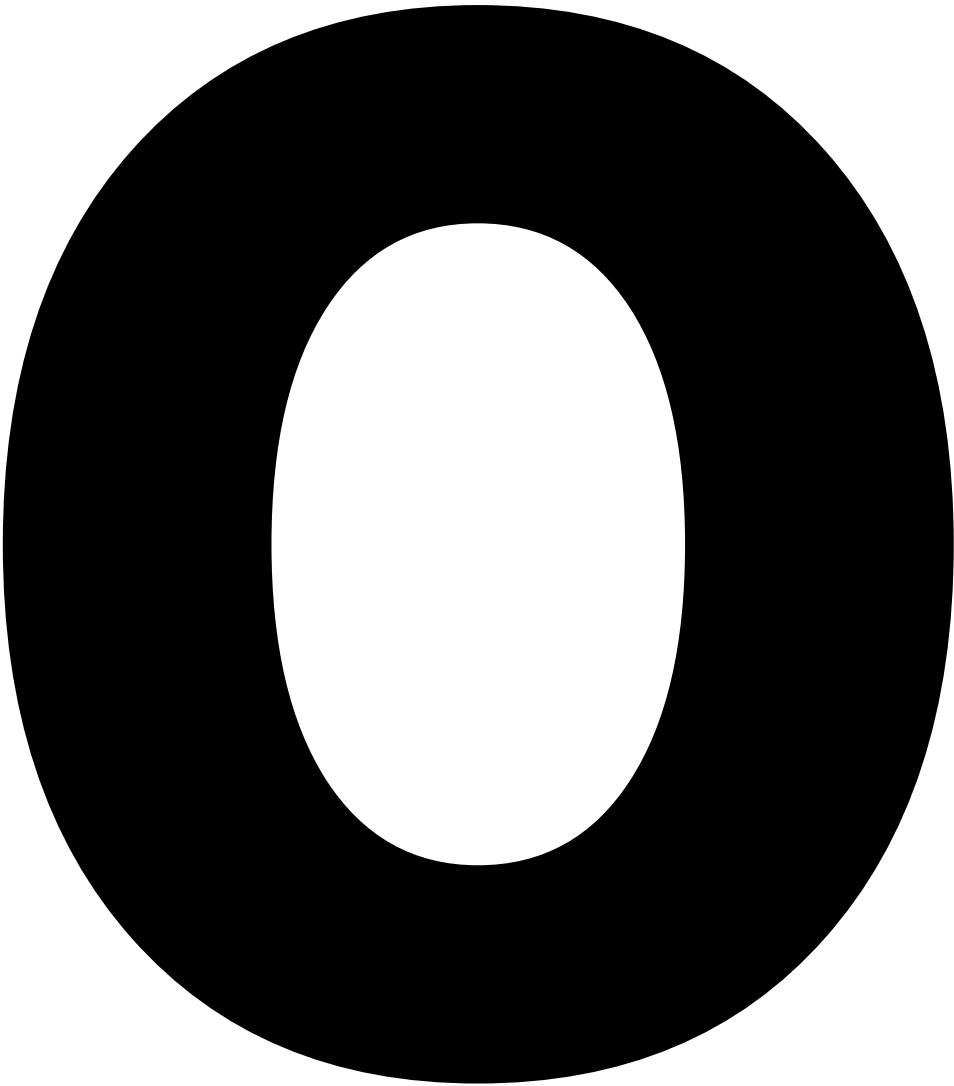














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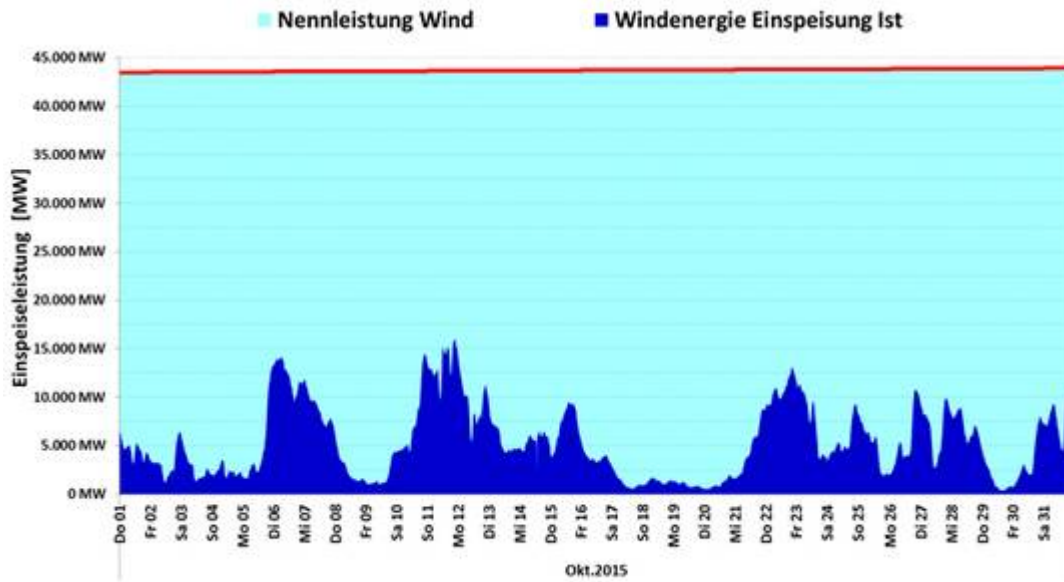


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Datenquelle: Entso-e / Netzbetreiber

Auflösung: Viertelstundenwerte

Darstellung: Rolf Schuster



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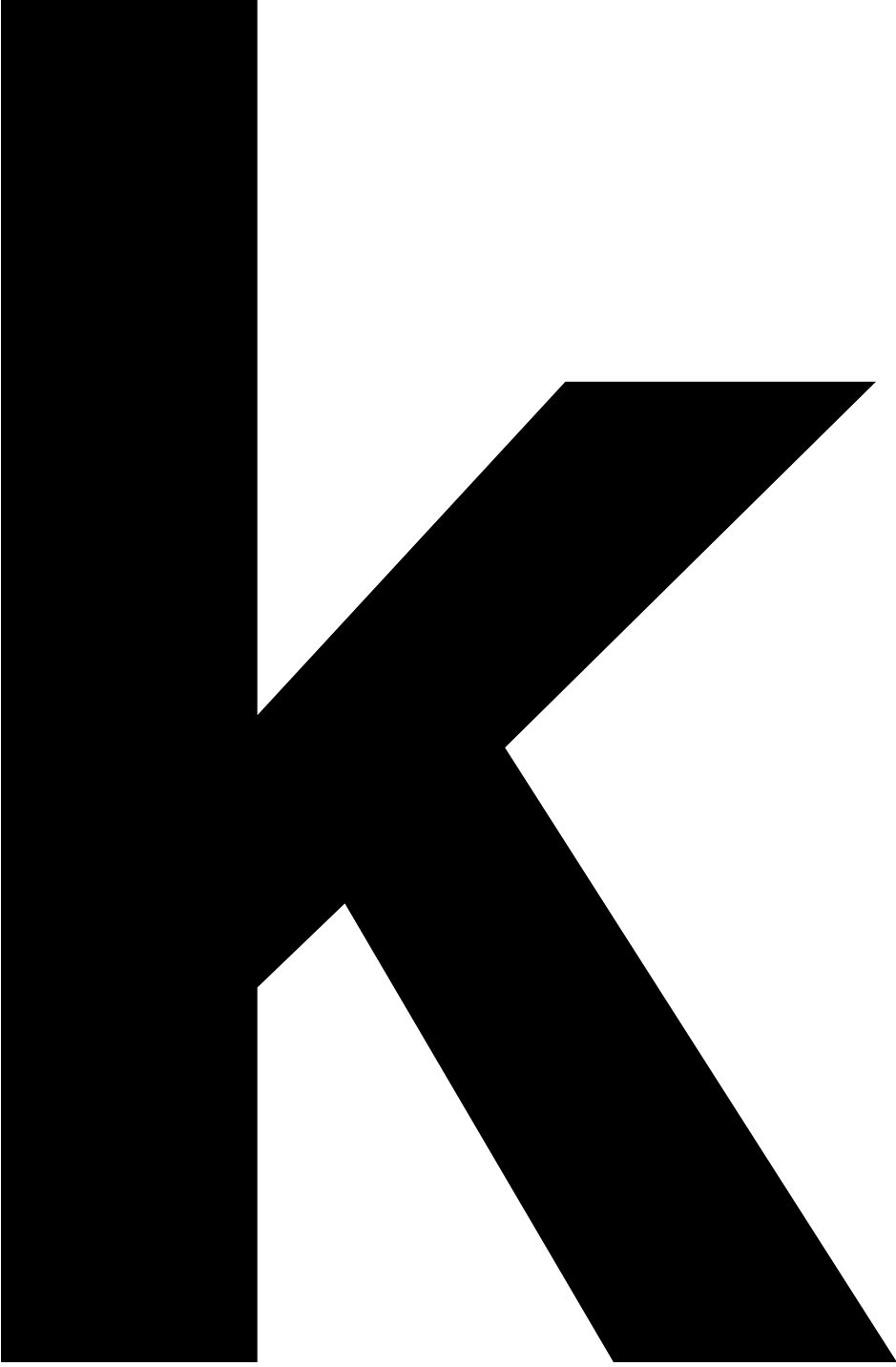


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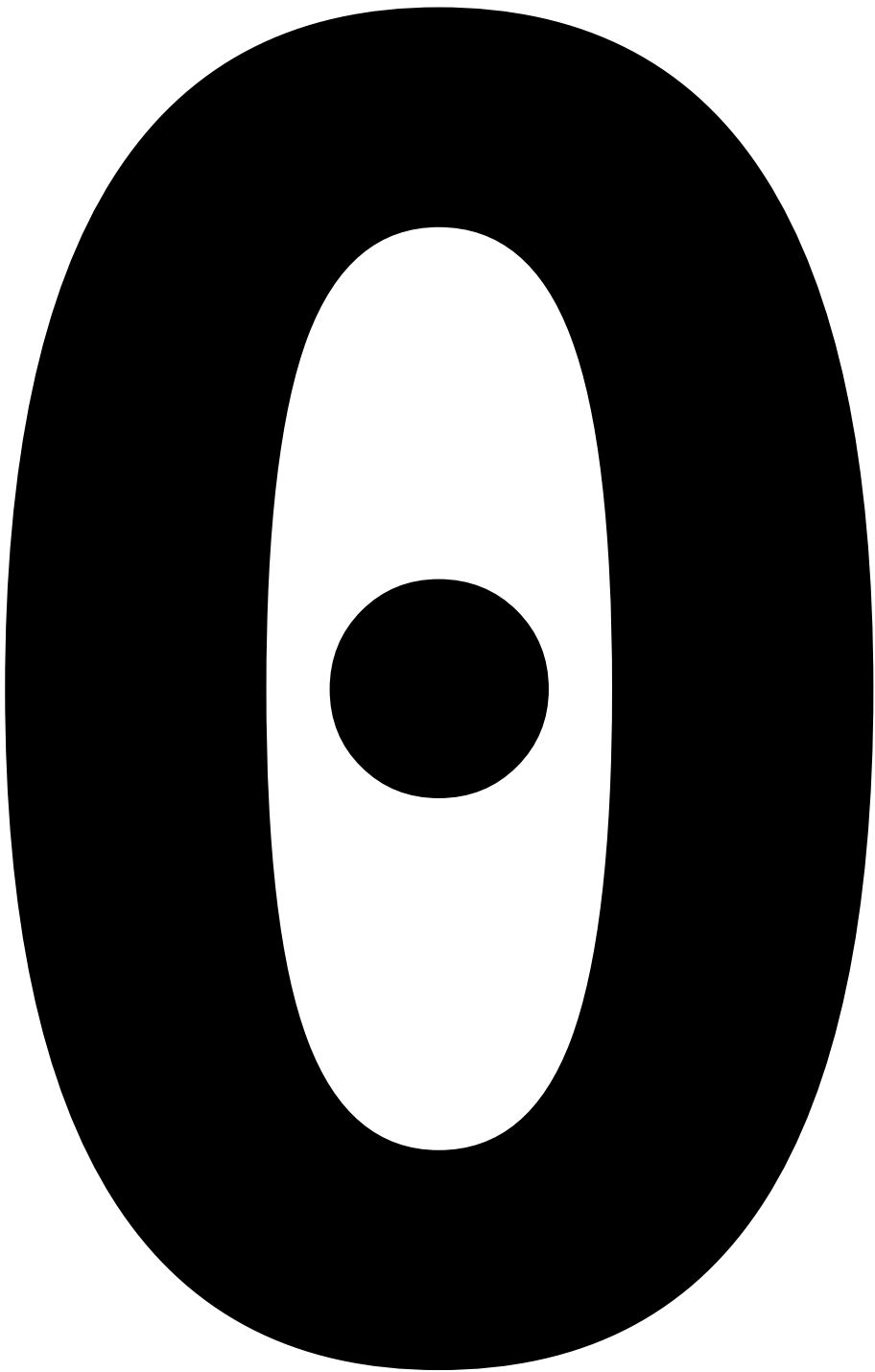




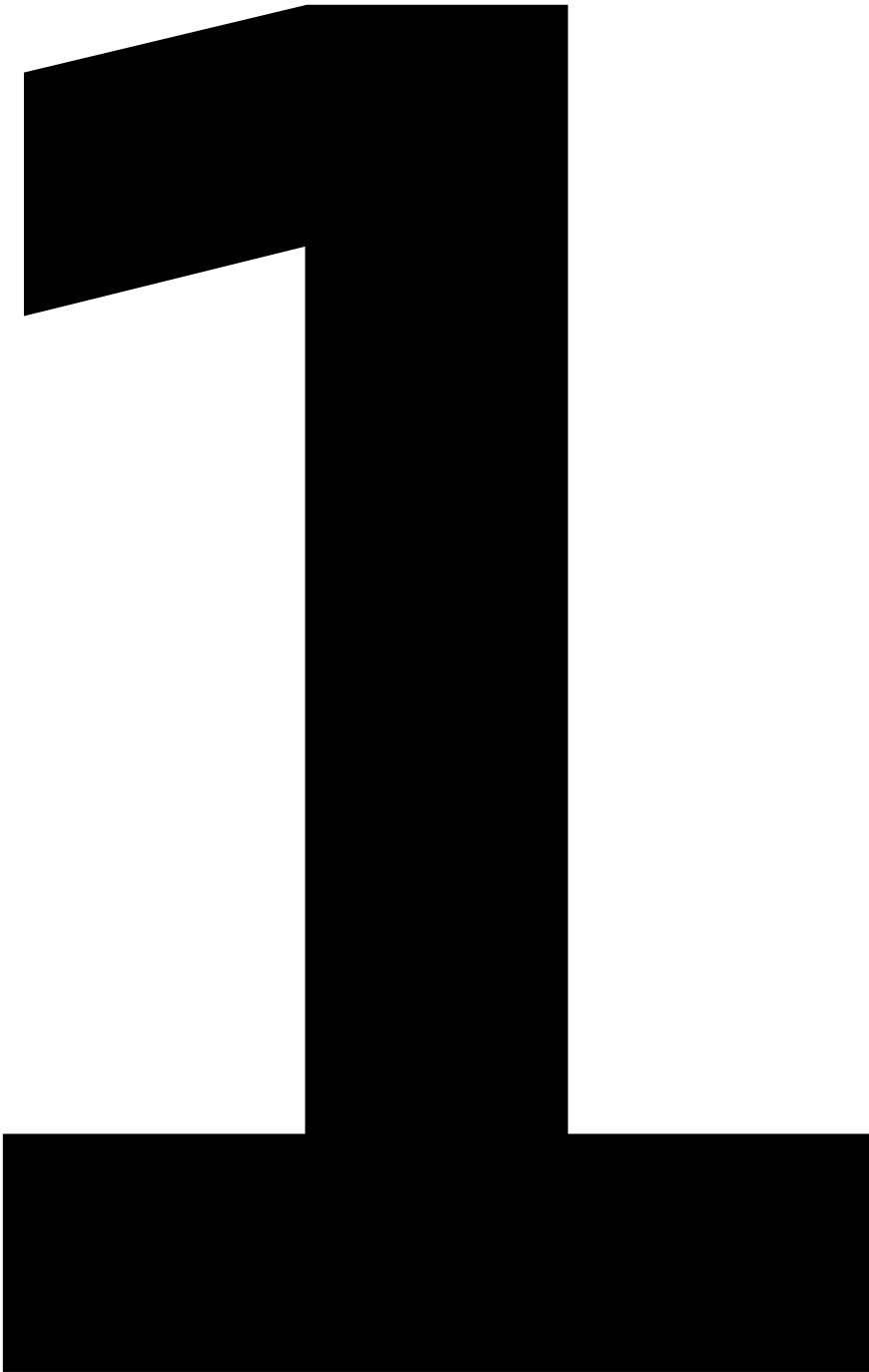


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**Okt 2015**

	Kennzahlen Wind	Proz. der Nennleist.
inst. Nennleistung	43.703MW	100,0%
max. Einspeiseleistung	15.929MW	36,4%
Mittelwert	5.344MW	12,2%
min. Einspeiseleistung	359,0MW	0,82%
Summe	3.981,7GWh	

Summe der erzeugten Energie		3.982GWh
Verteilung der Einspeisung nach Klassen		
0% bis 10% NL	349,25 h	46,9%
11% bis 30% NL	368,00 h	49,4%
31% bis 50% NL	27,75 h	3,7%
51% bis 70% NL	0,00 h	0,0%
größer 70%	0,00 h	0,0%
Summe Stunden	745,00 h	100,0%



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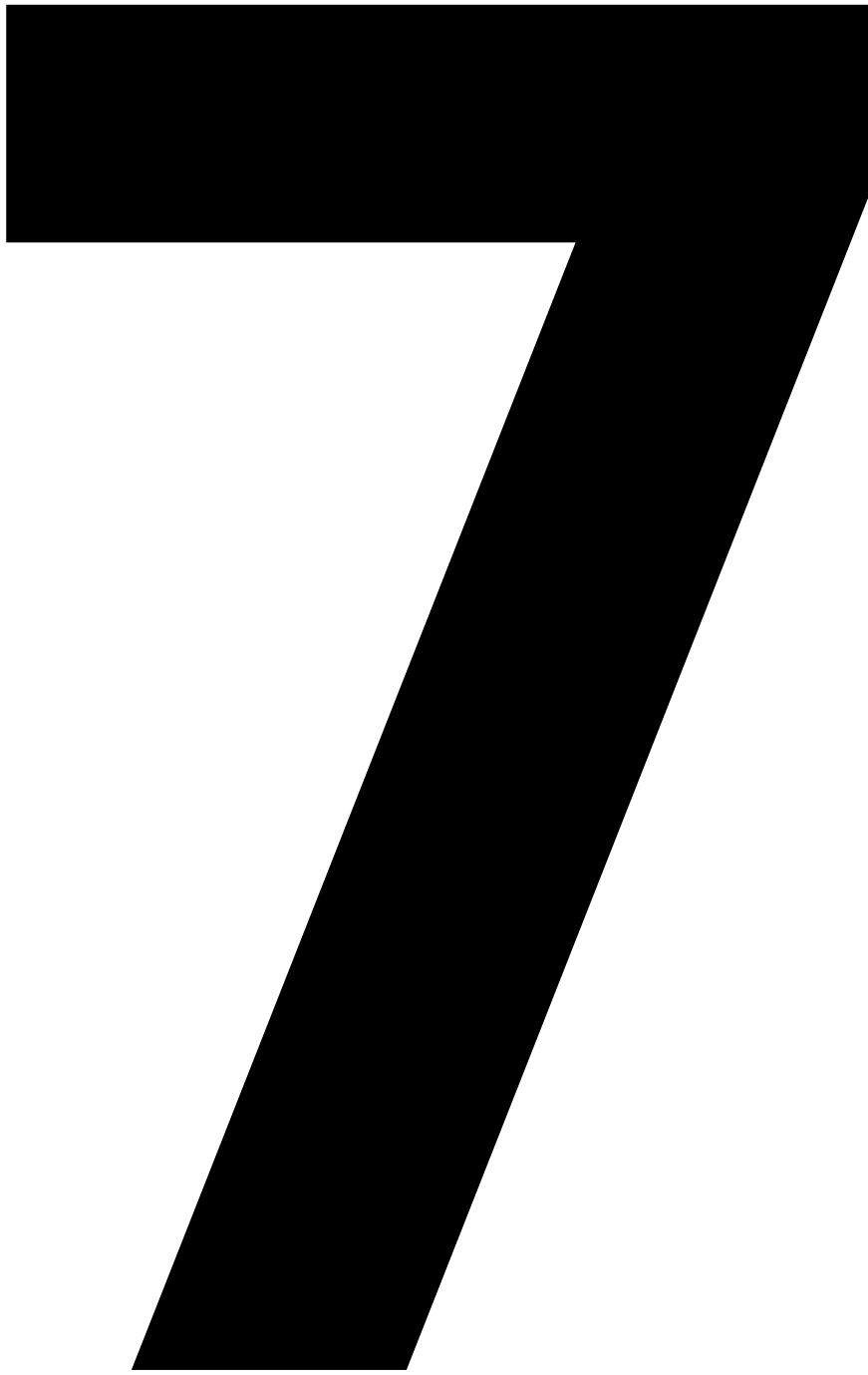
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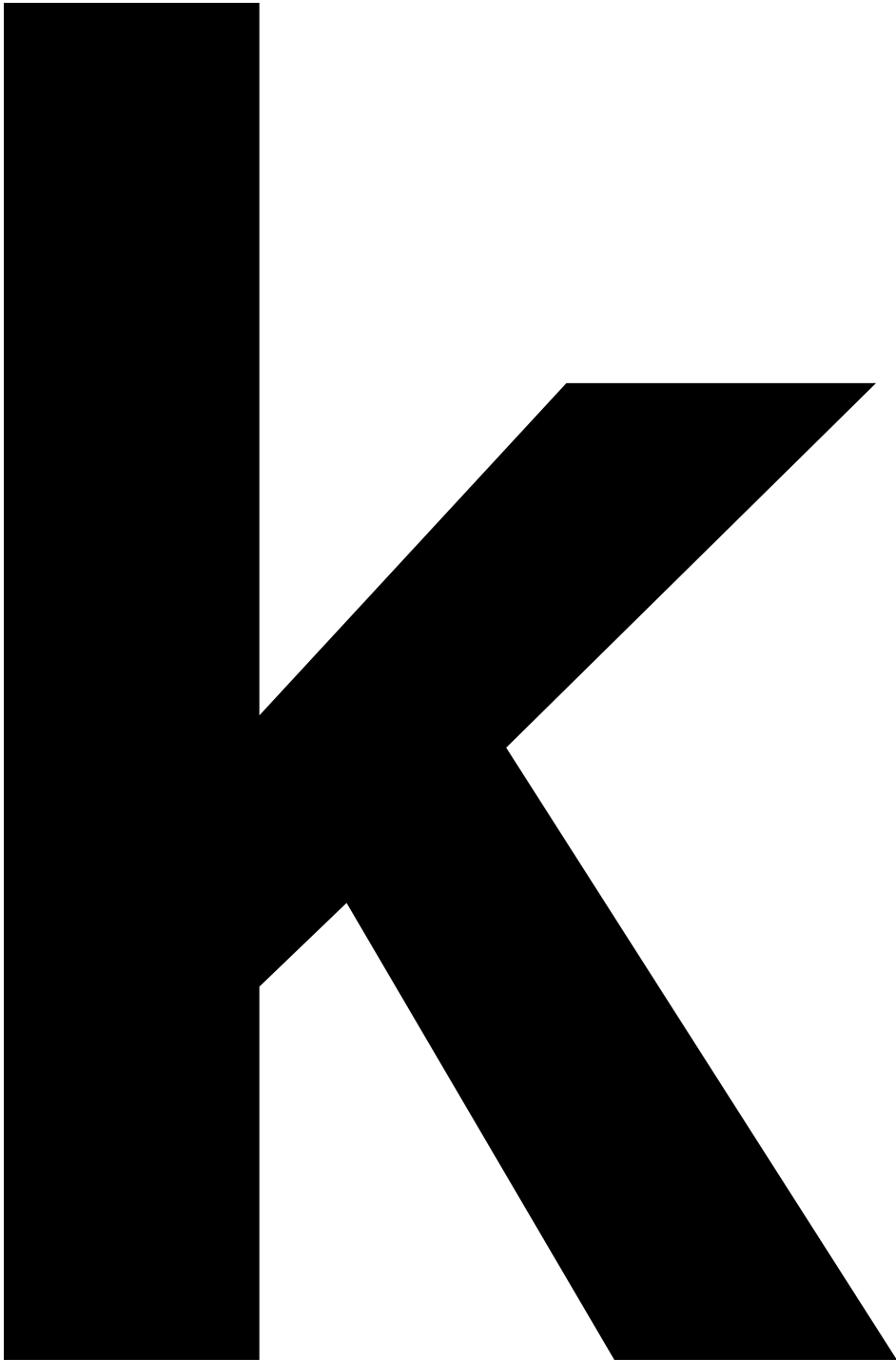
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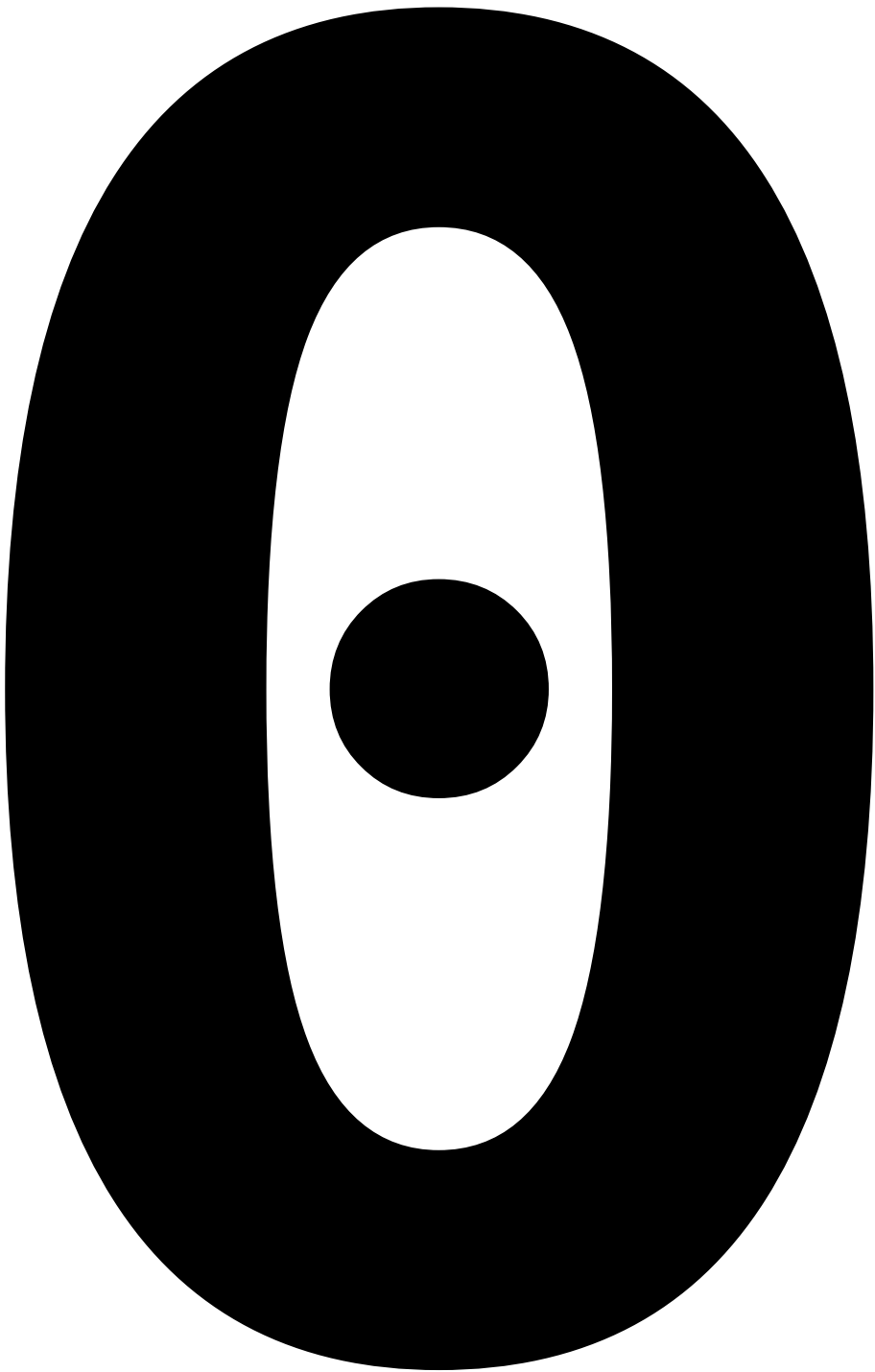






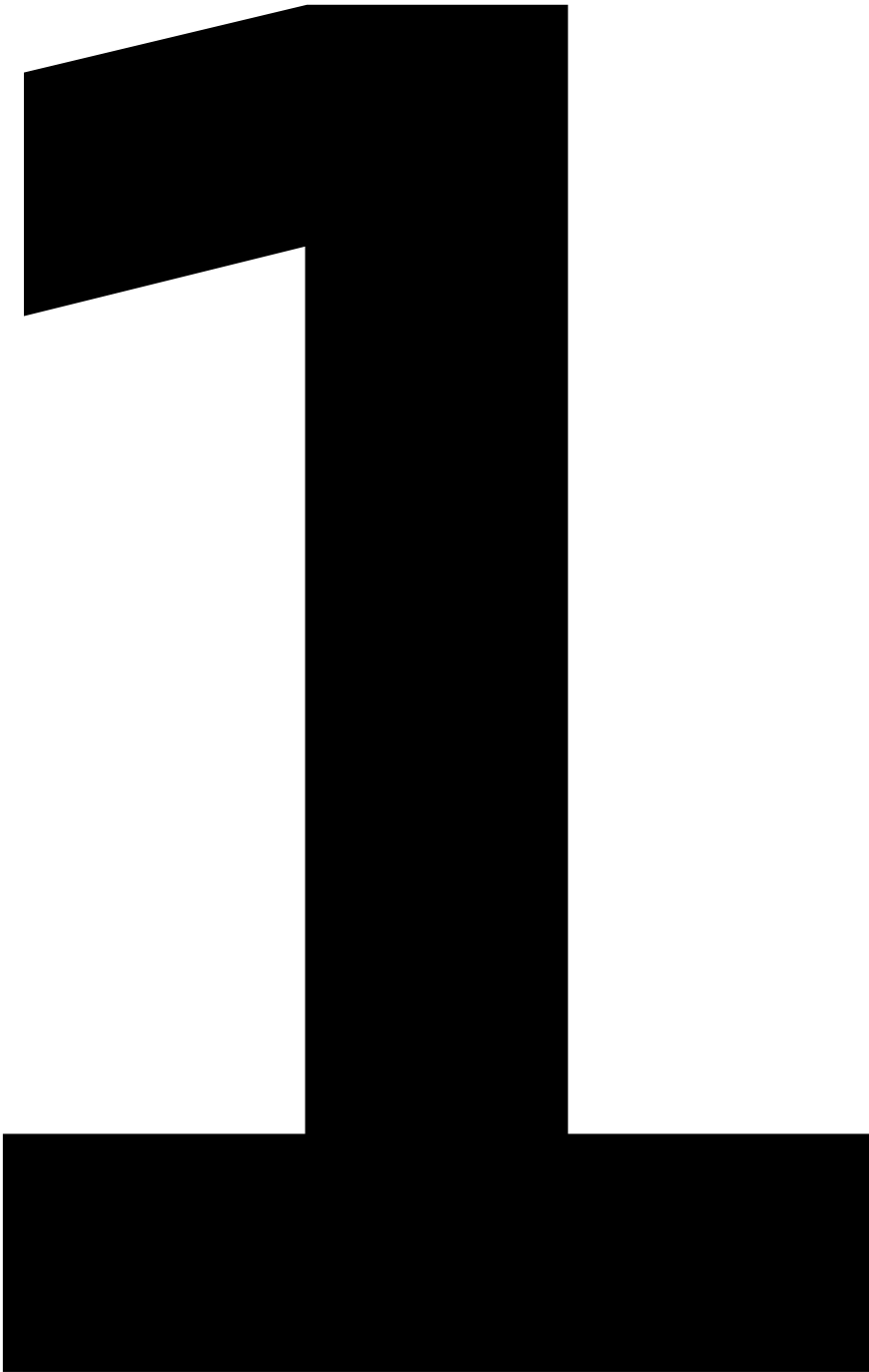
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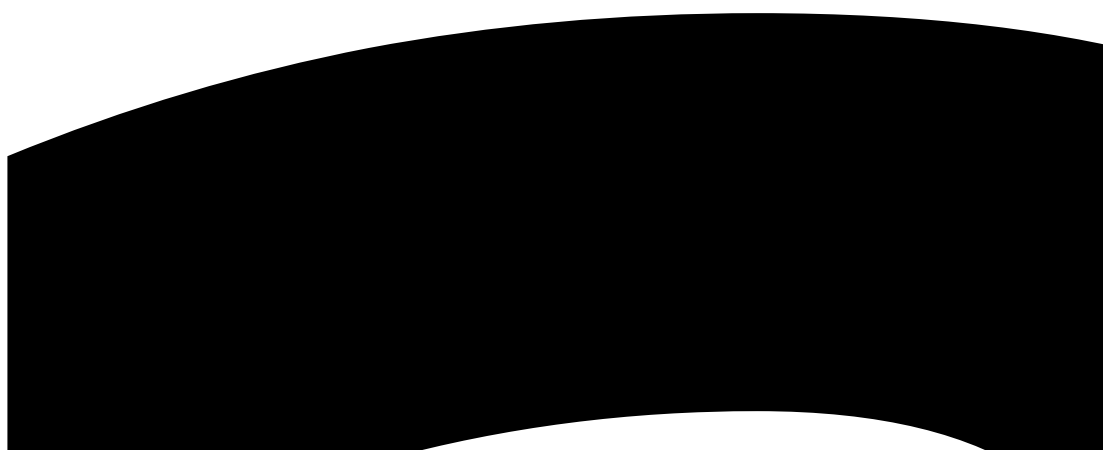






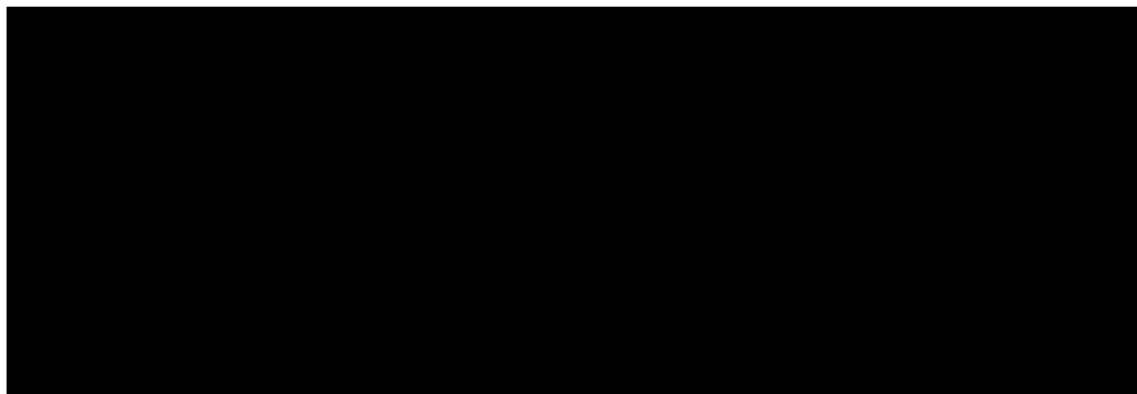




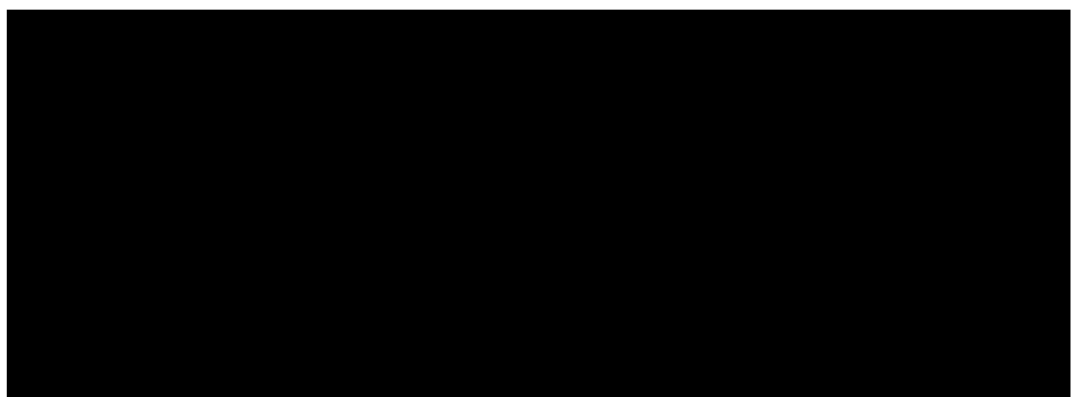
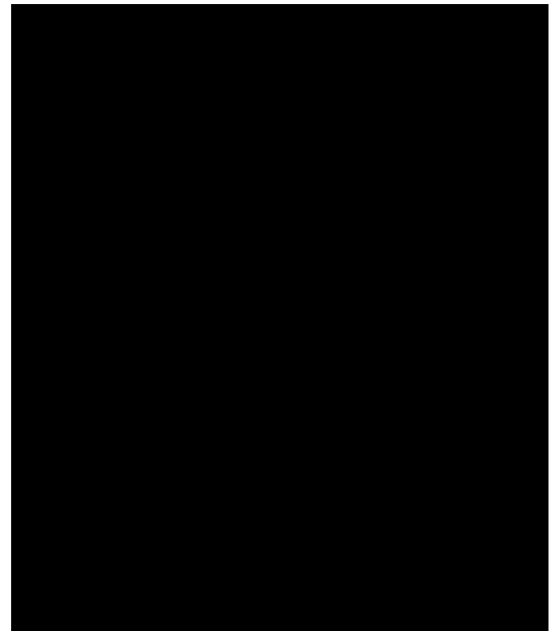












































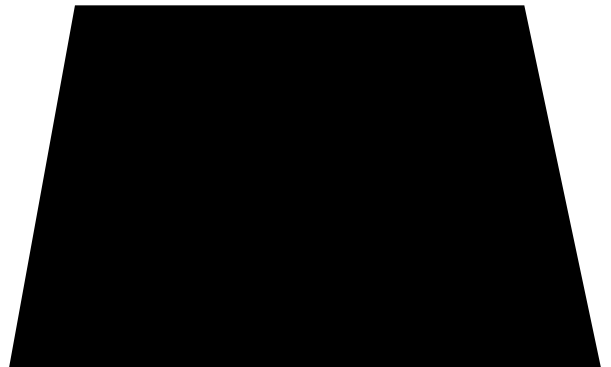
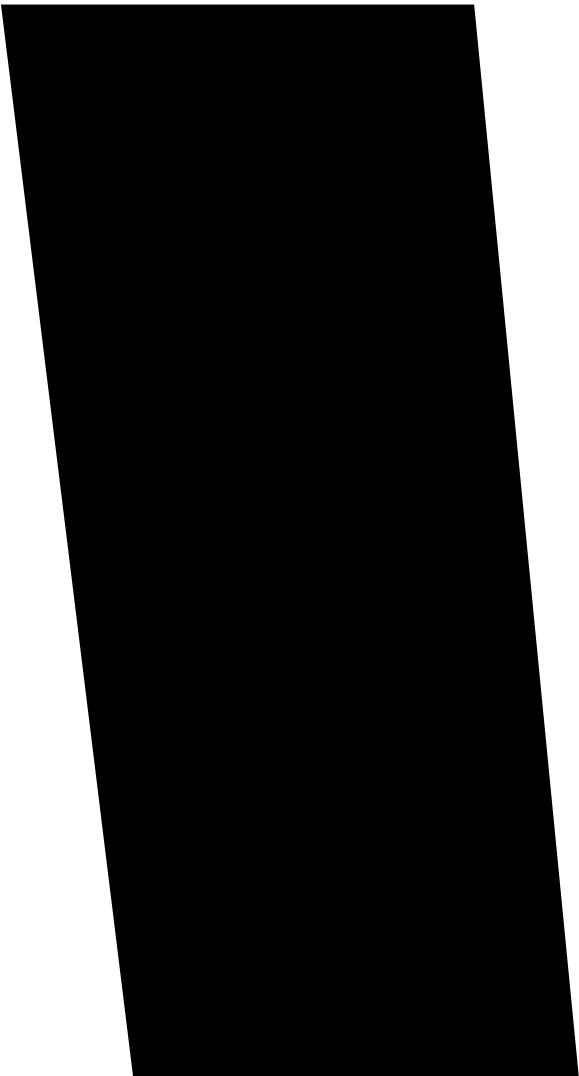




































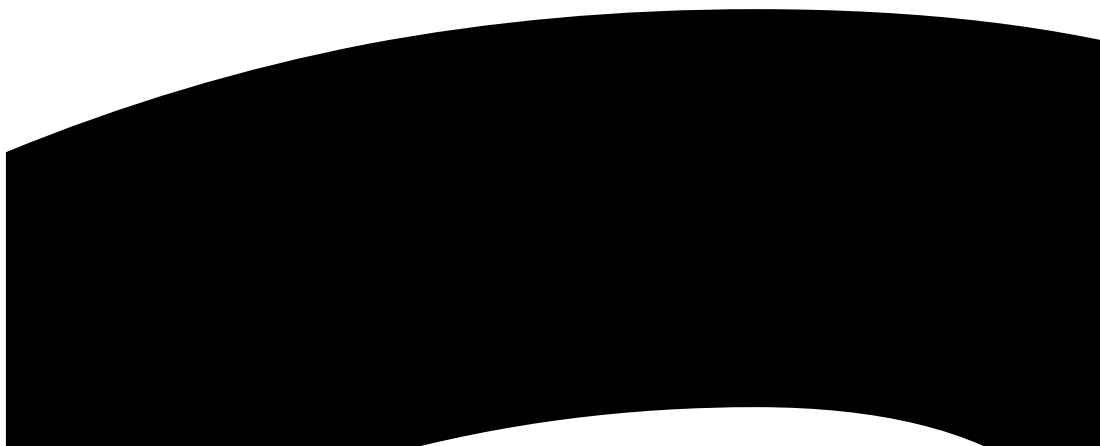
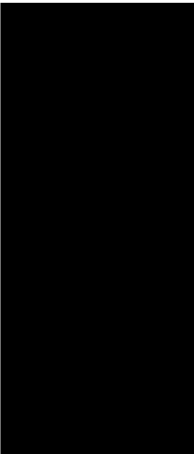


















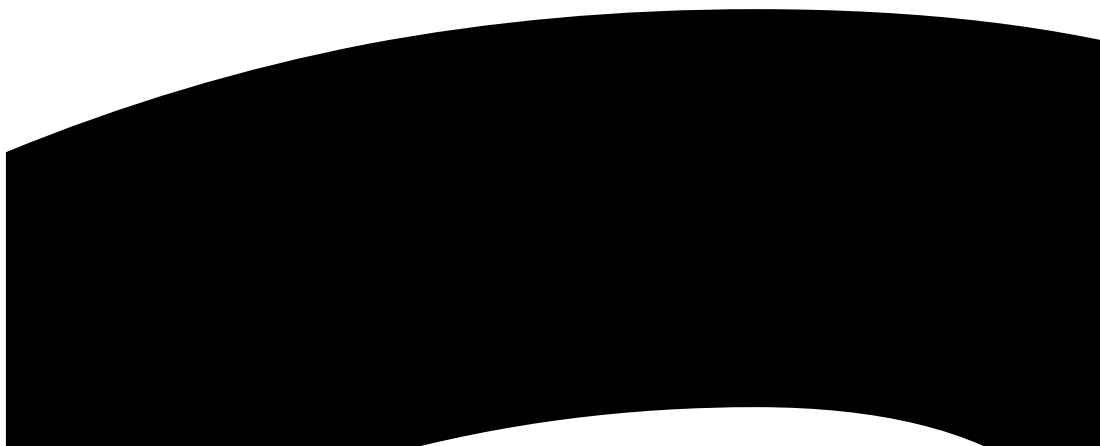
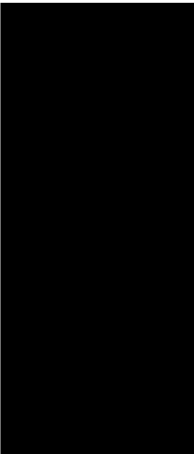






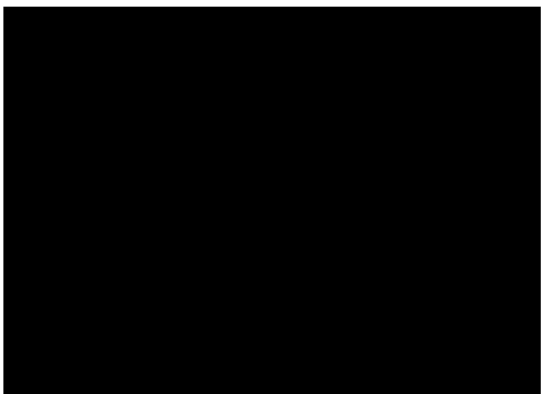


































































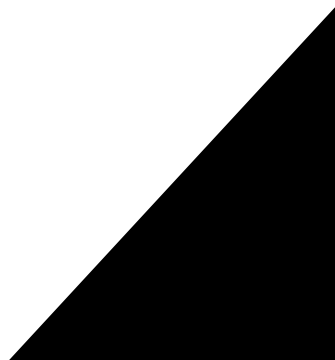






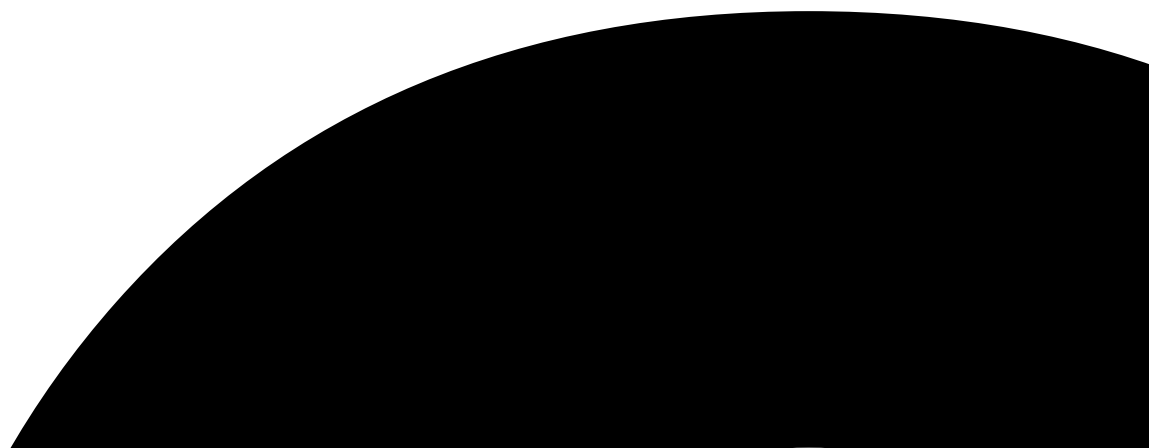








































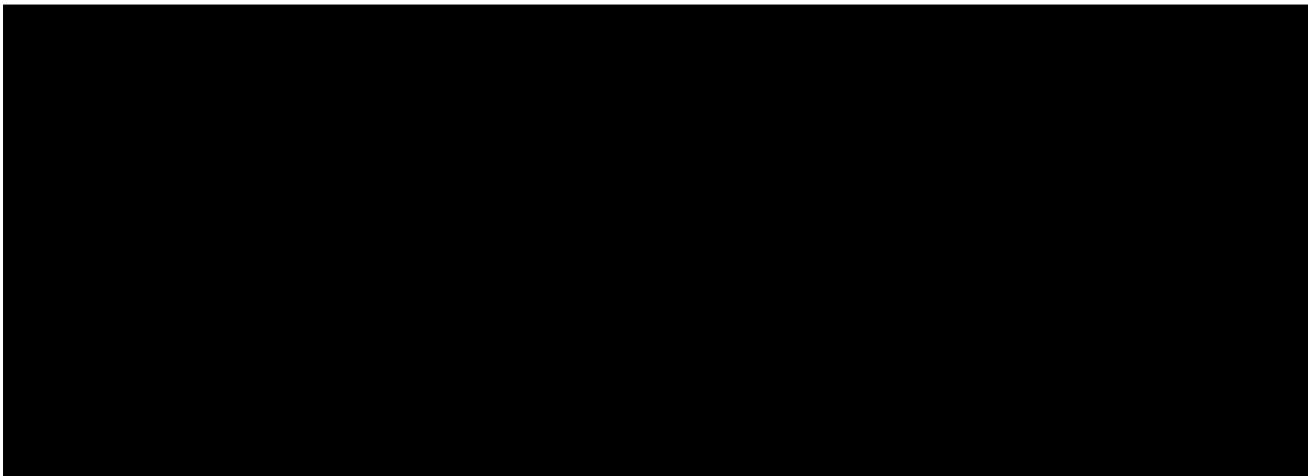






















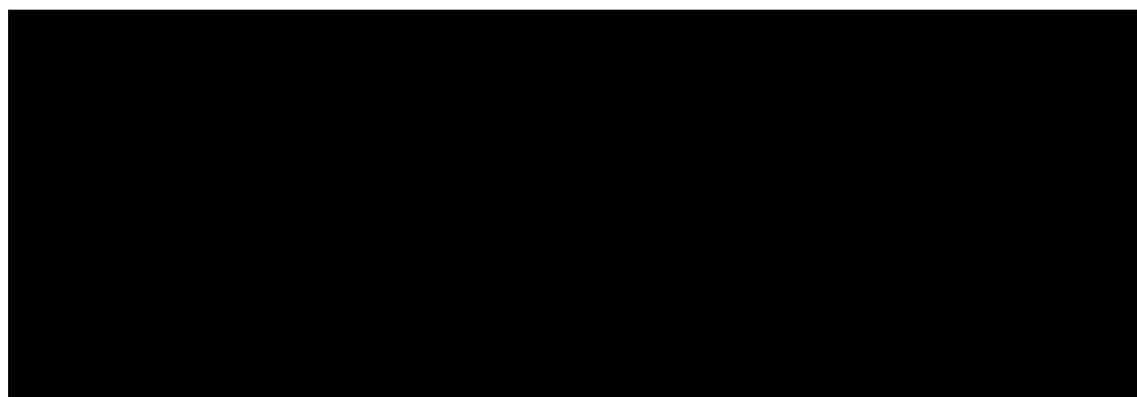




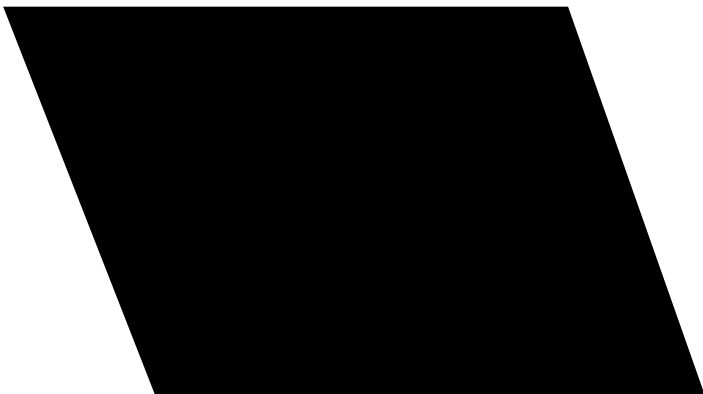






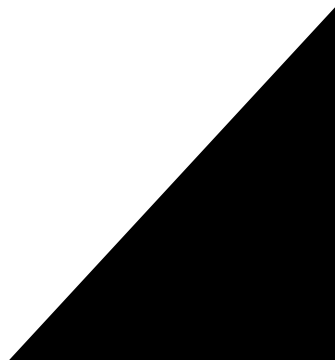












































































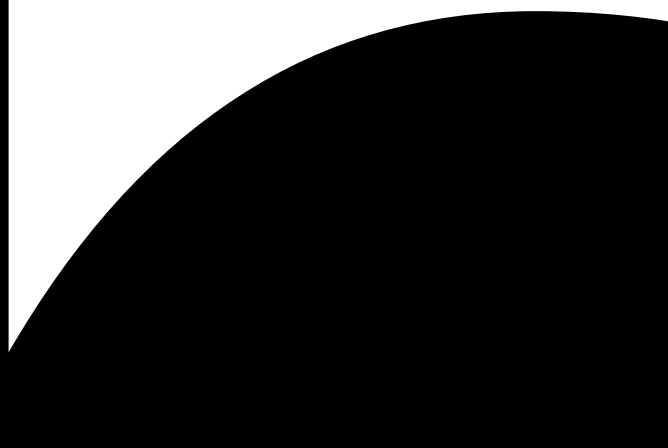




































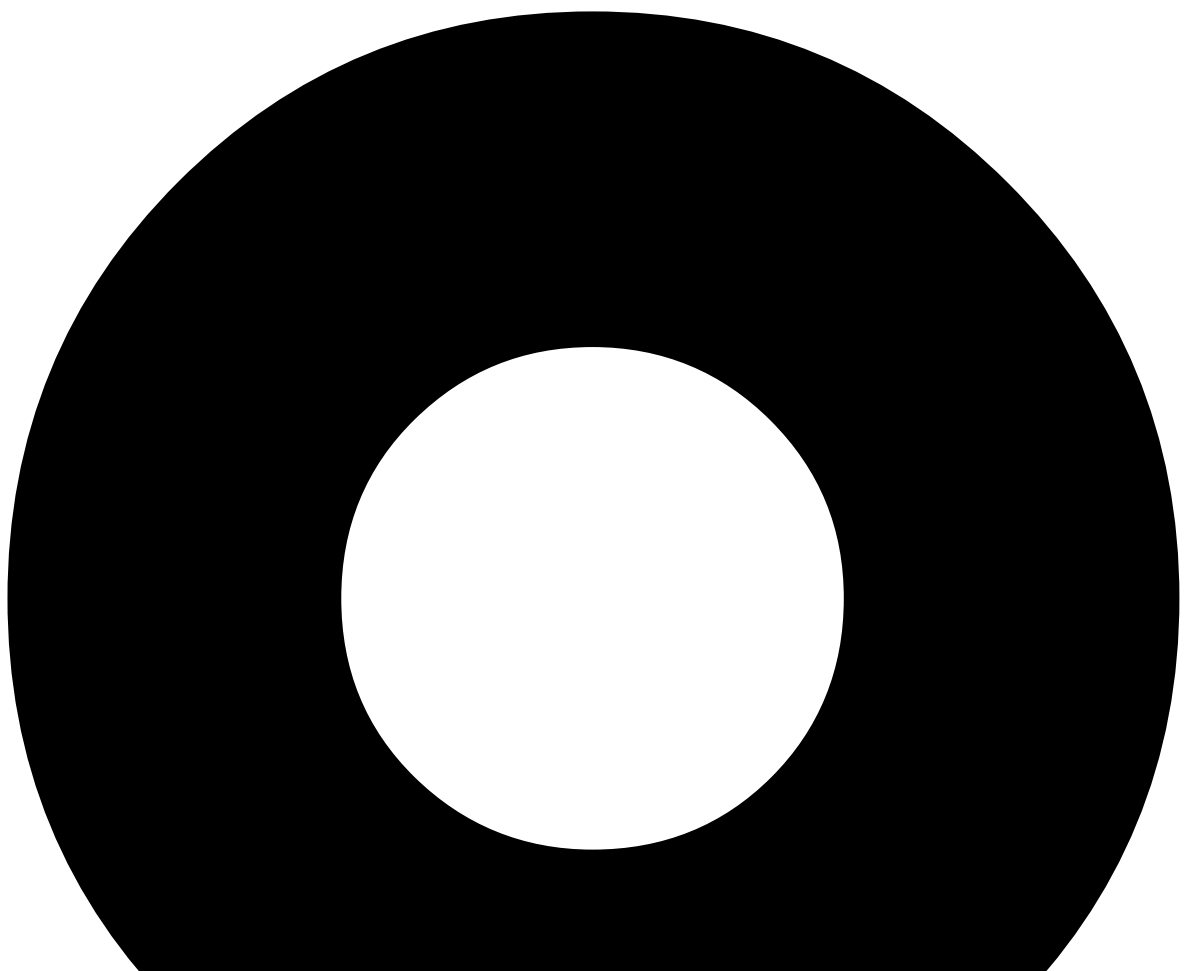


















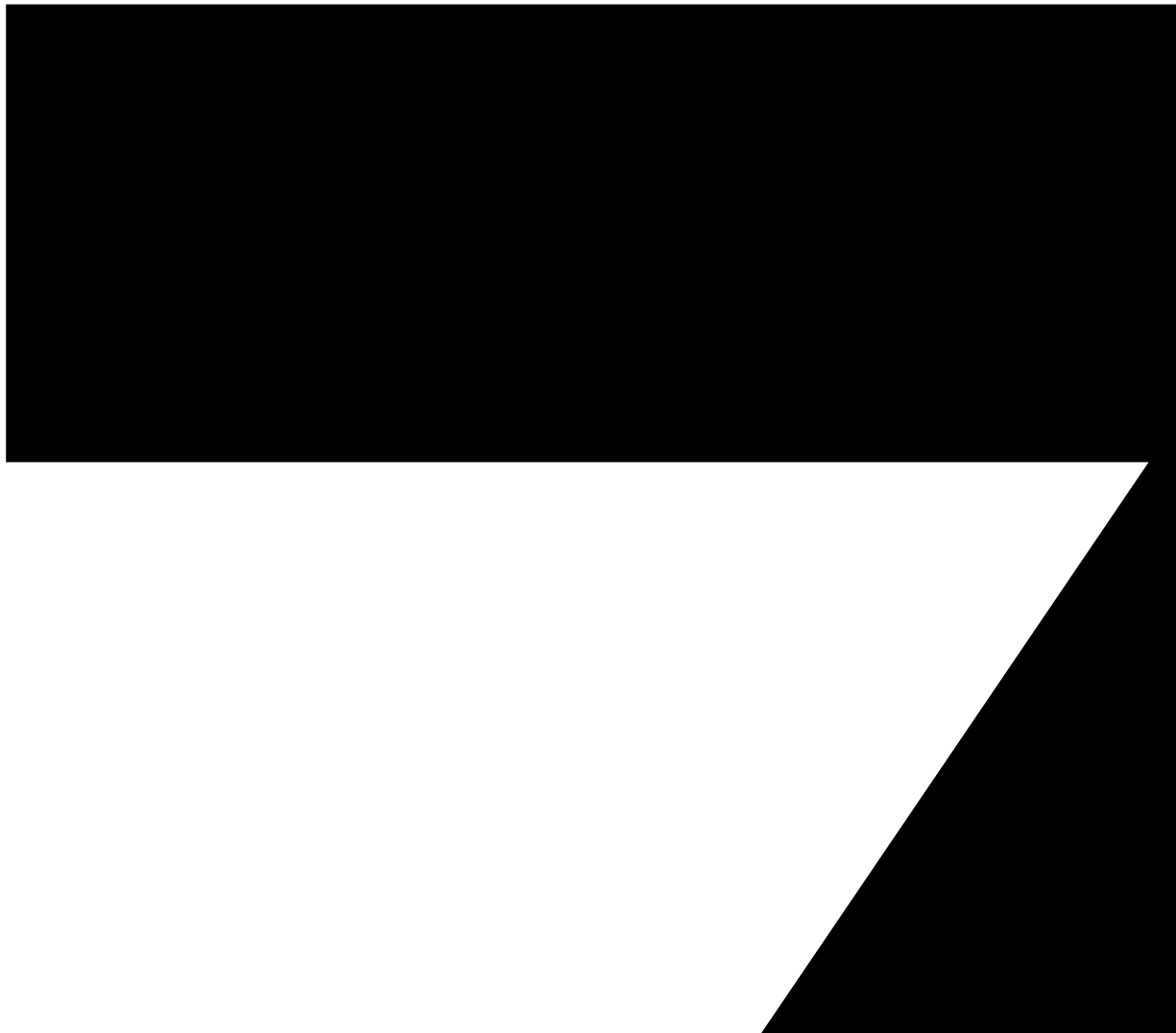






























































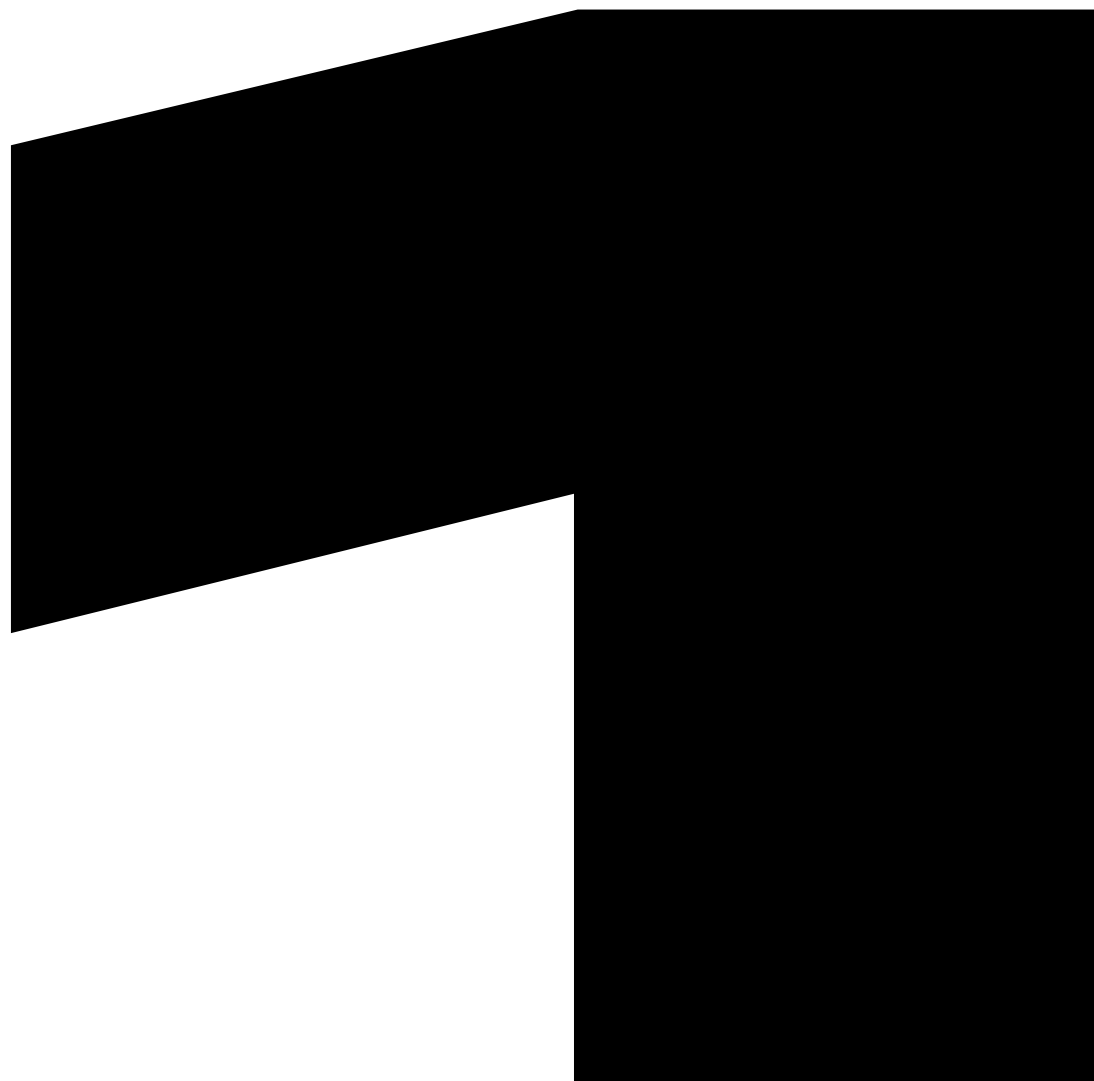






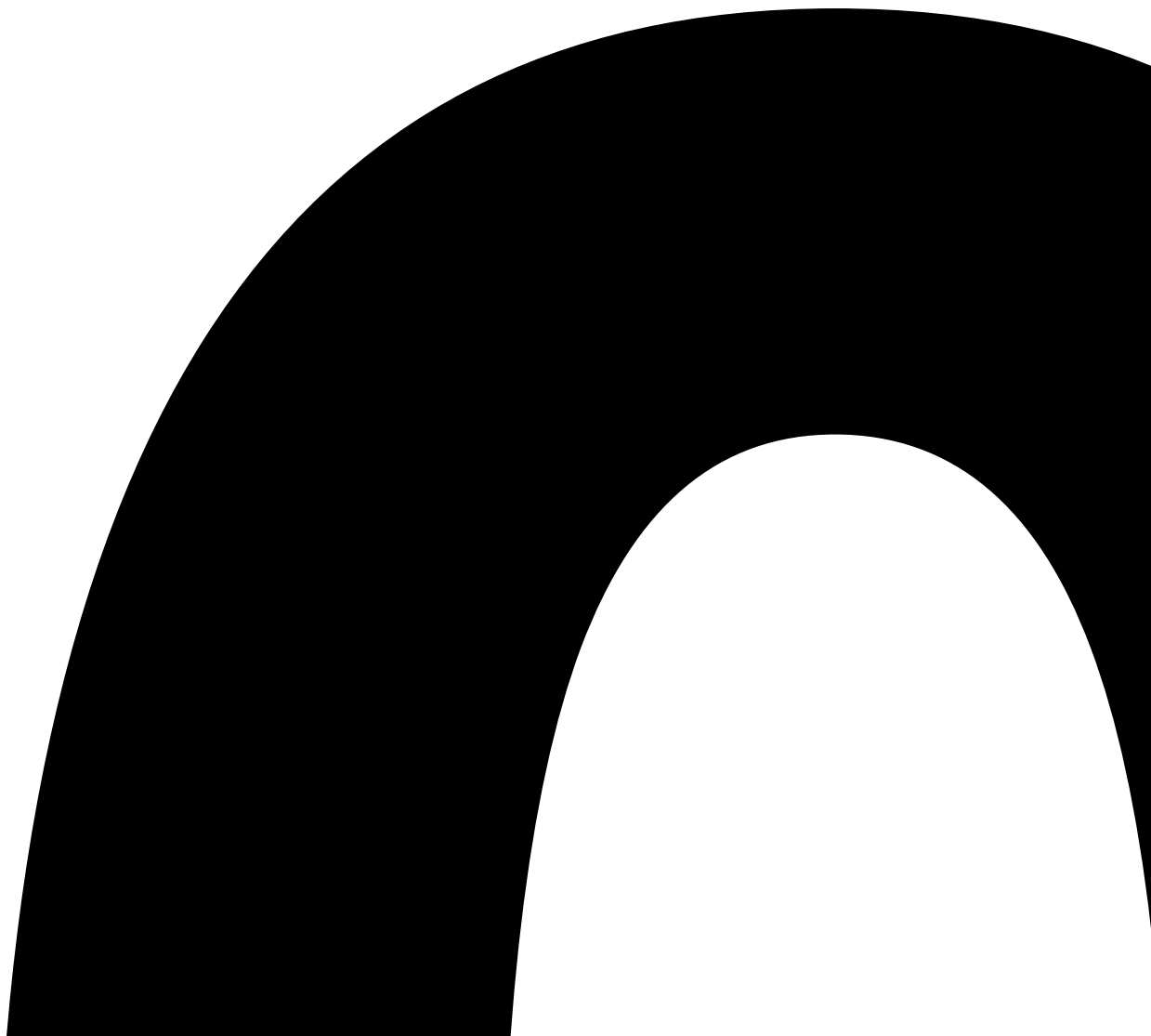




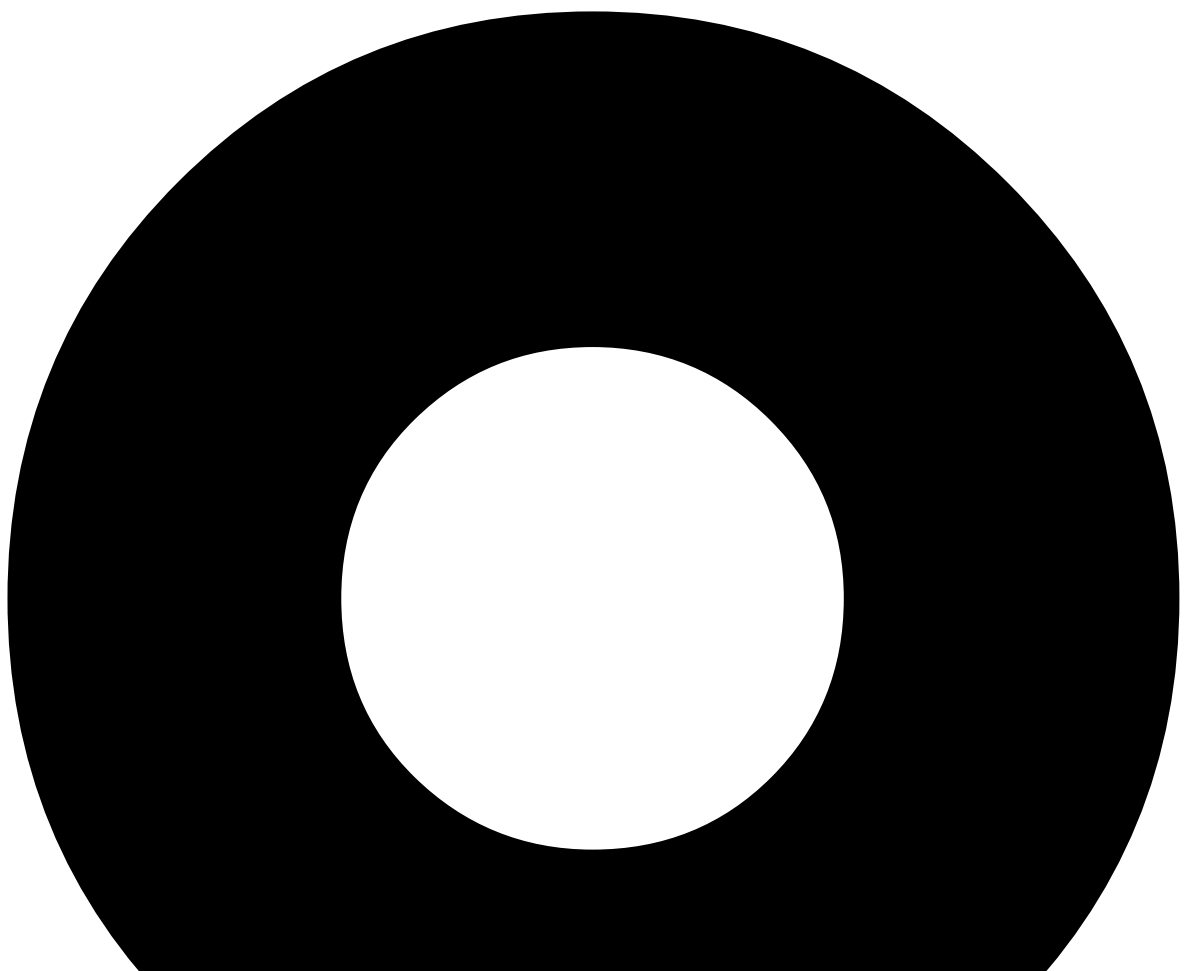
















































































































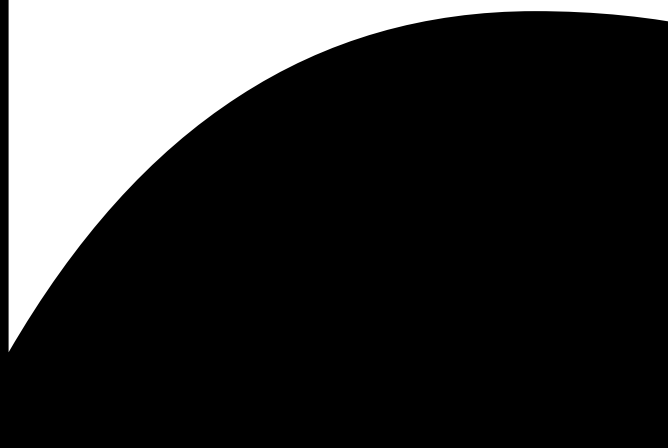
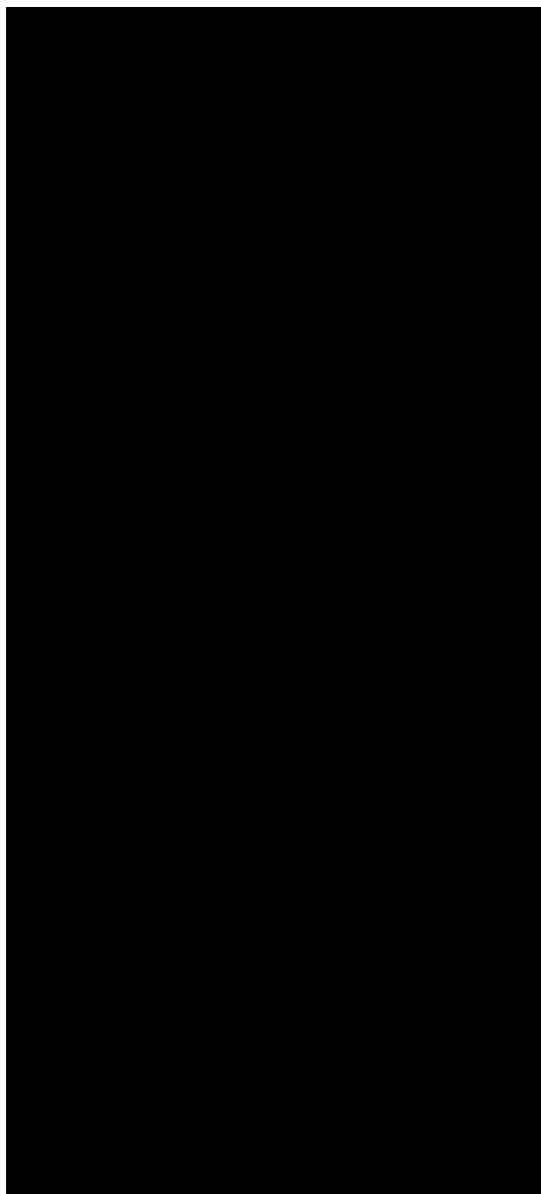




























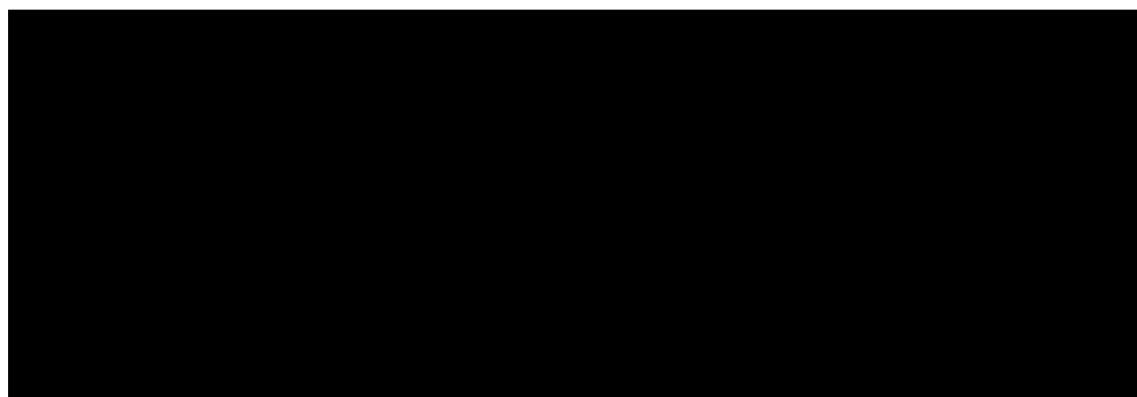






























































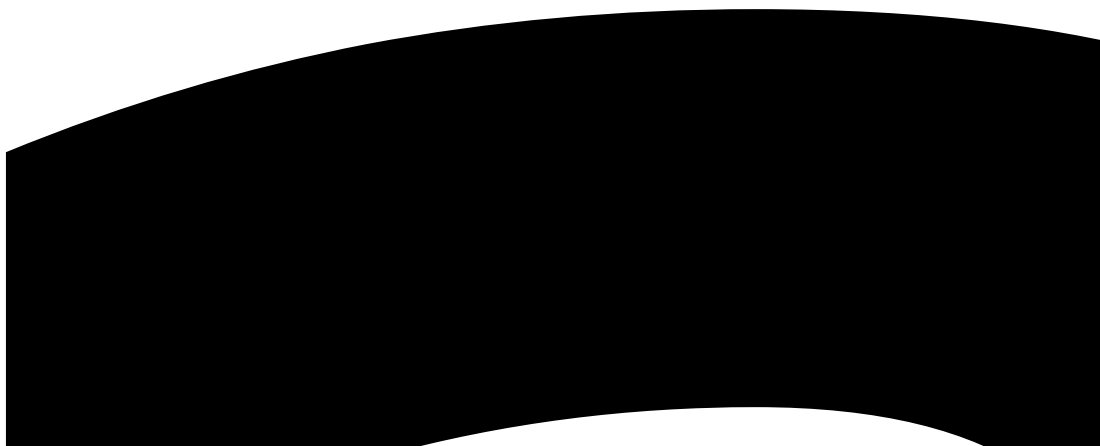
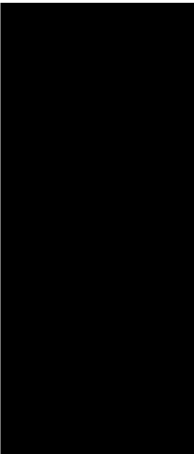
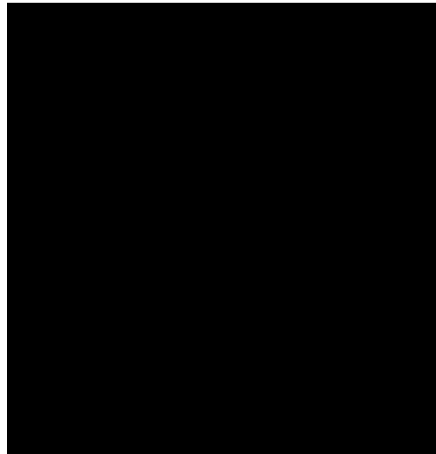




























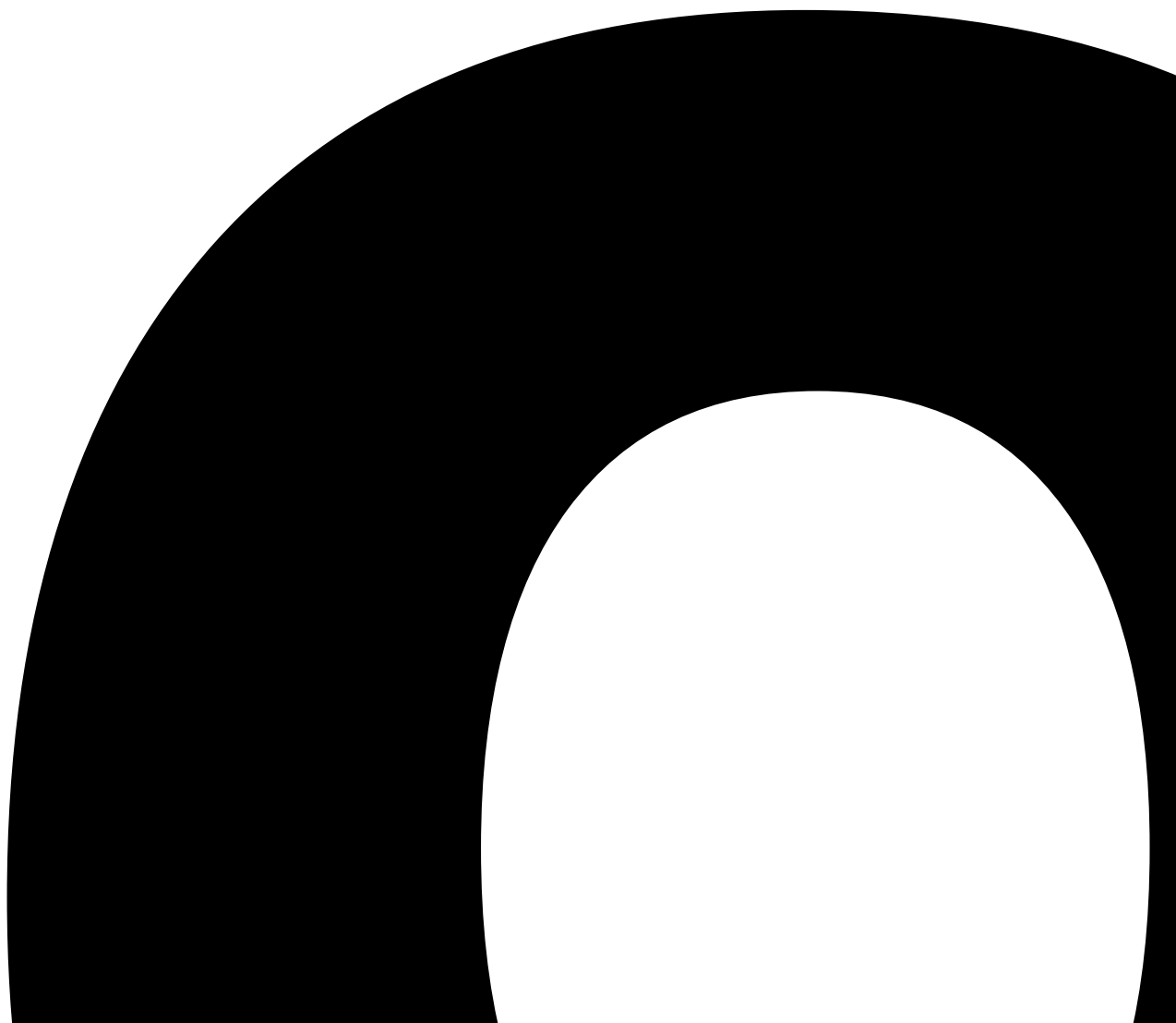








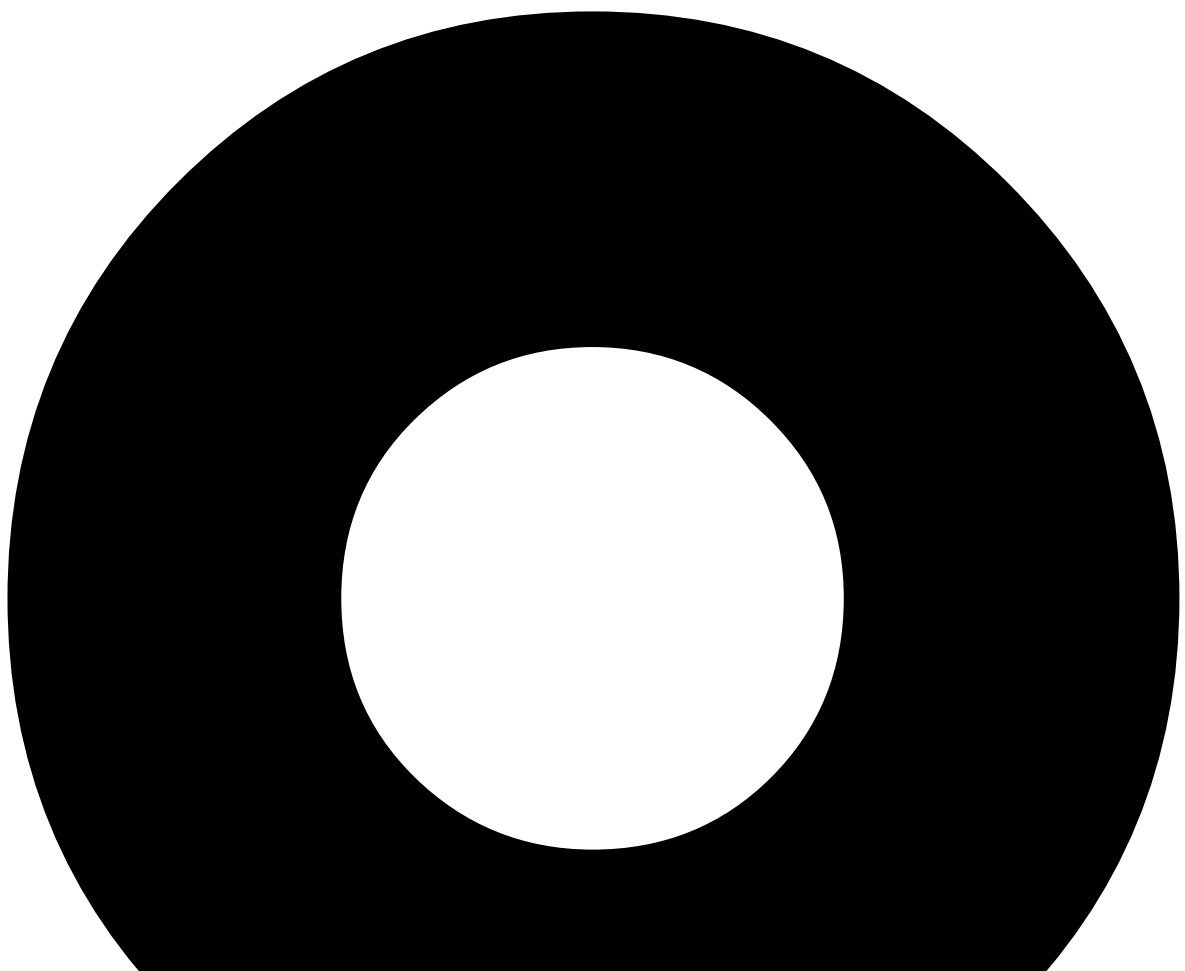








































































































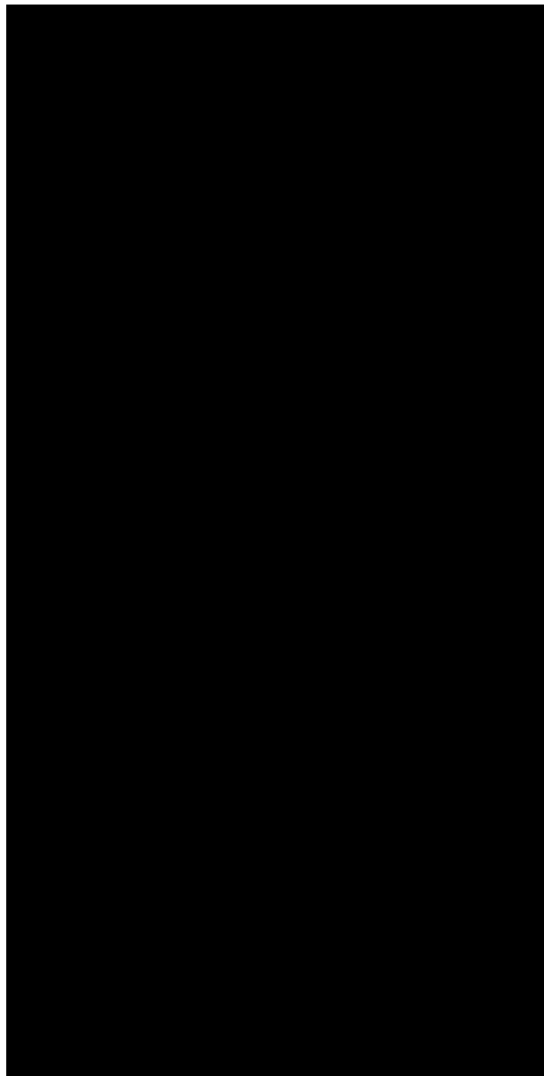




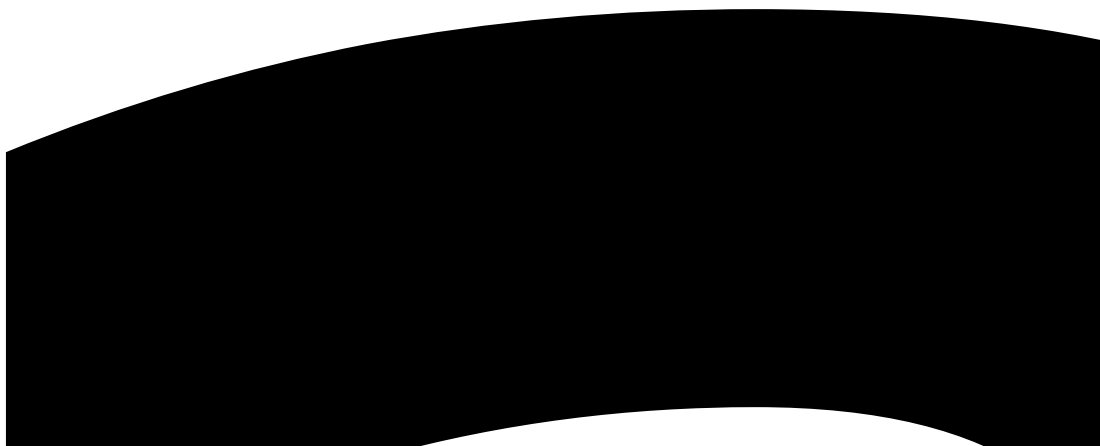
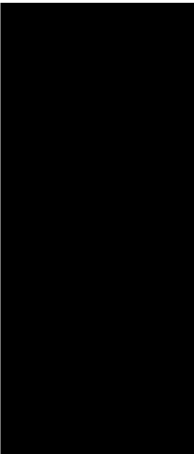
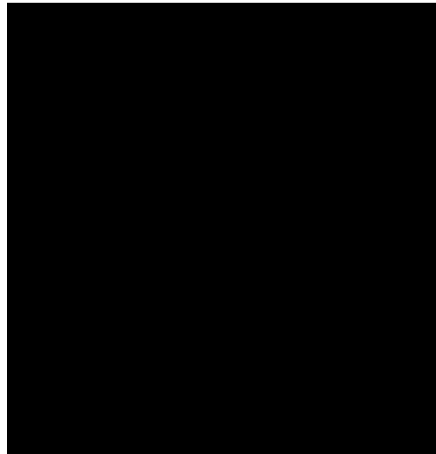


























































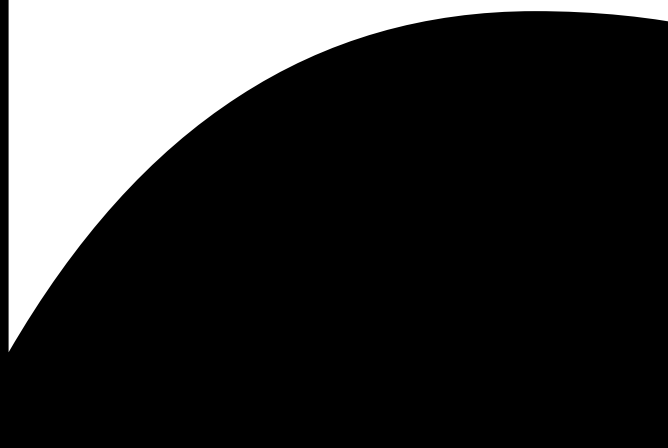
































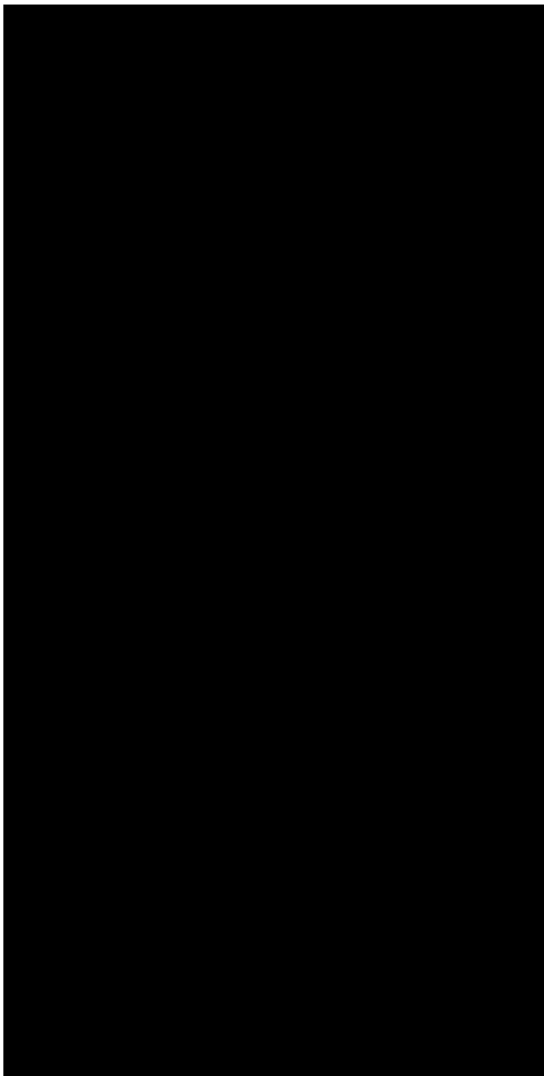






















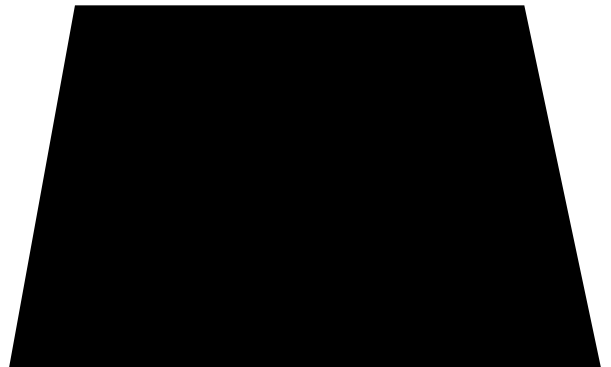
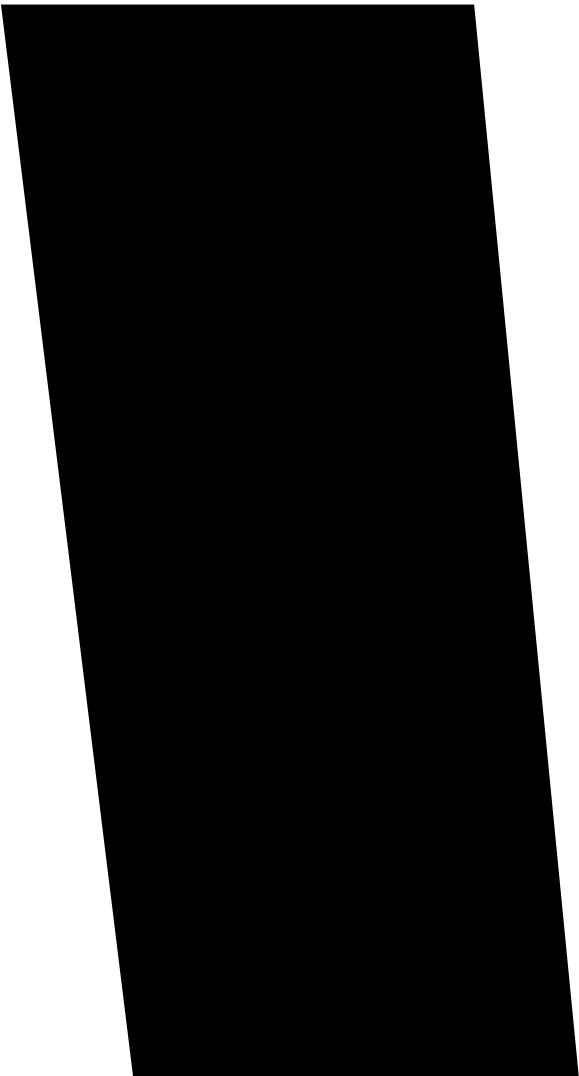


























































































































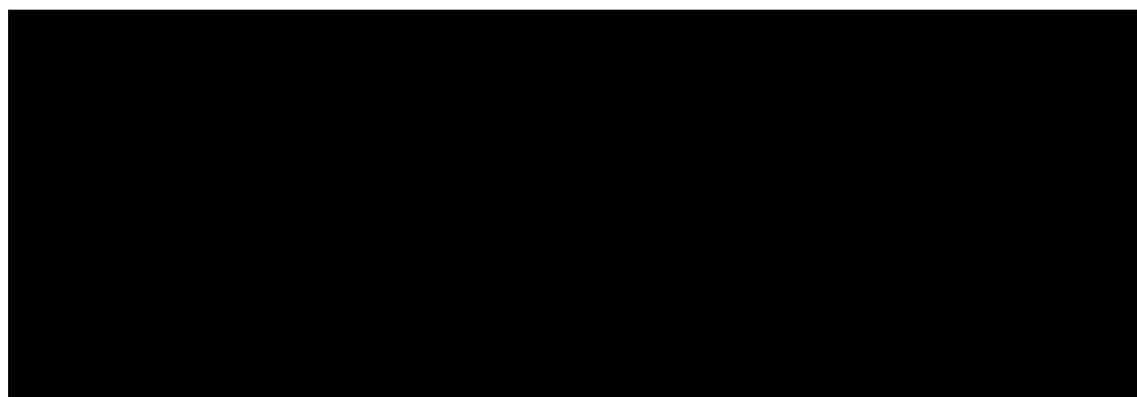




























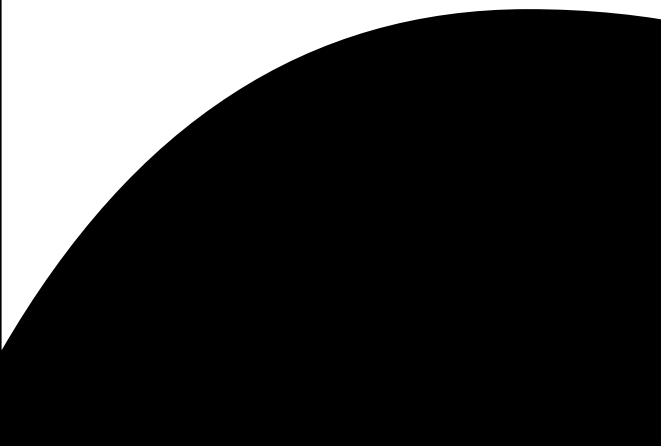


















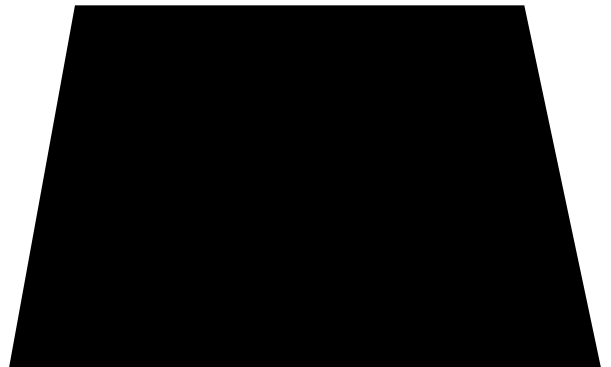
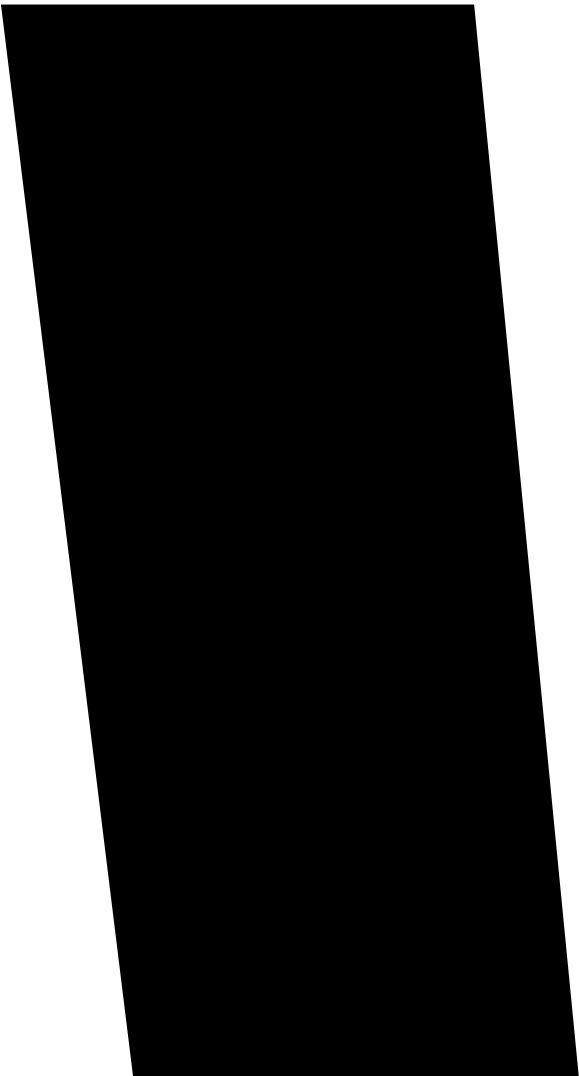








































































































































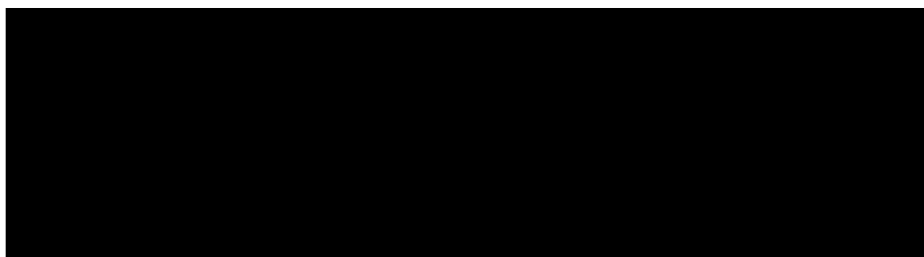














































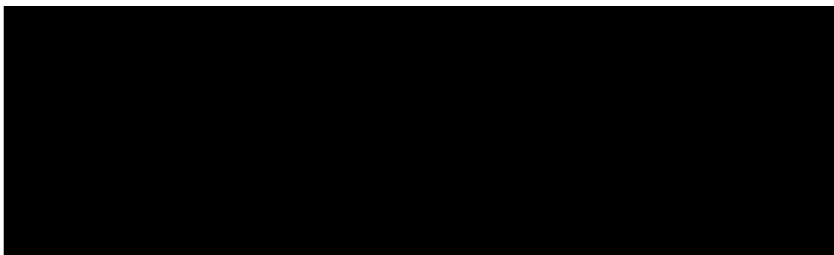


































































































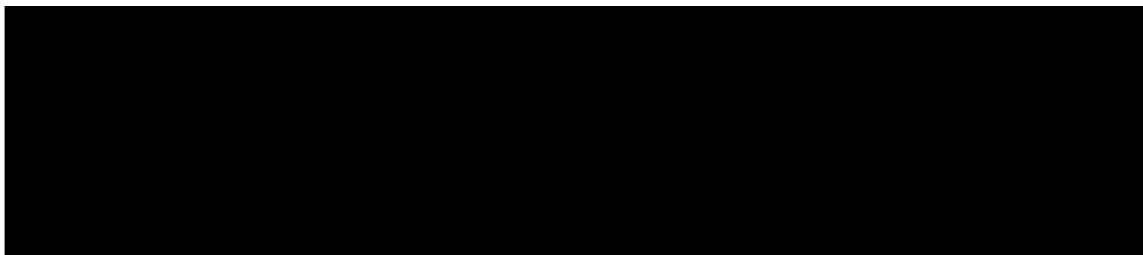








































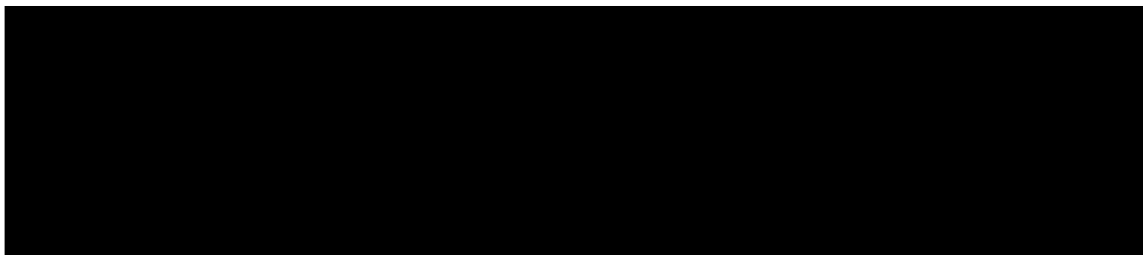
































































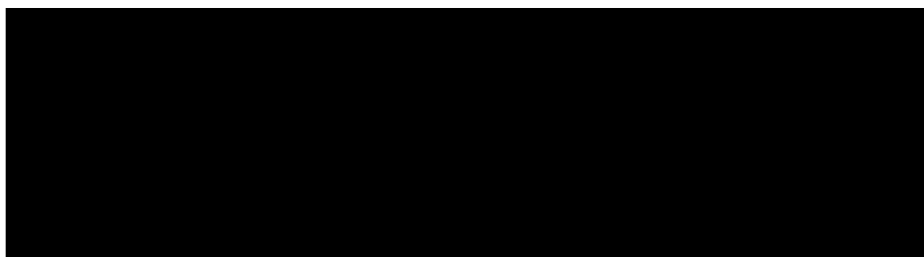


















































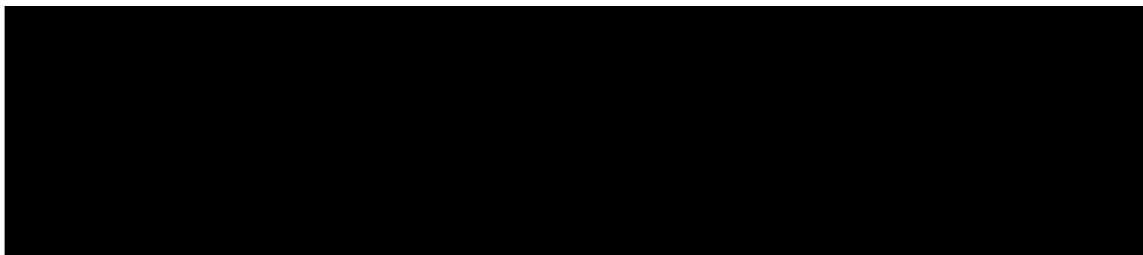




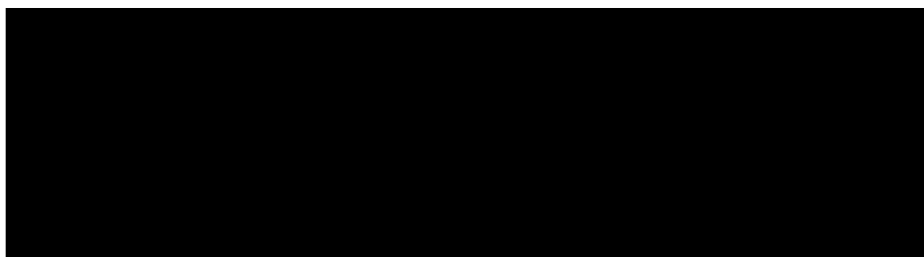






























































































































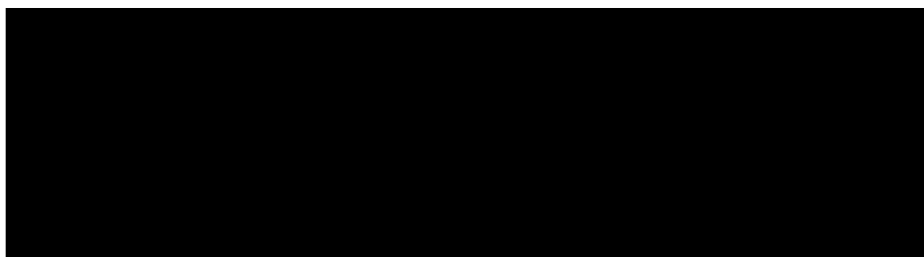










































































































































































































































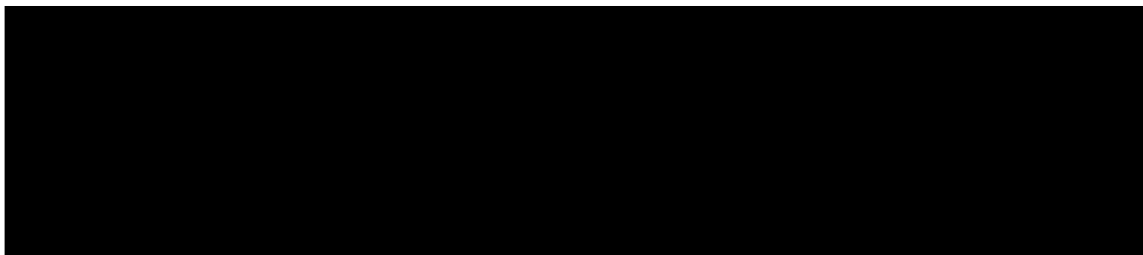




































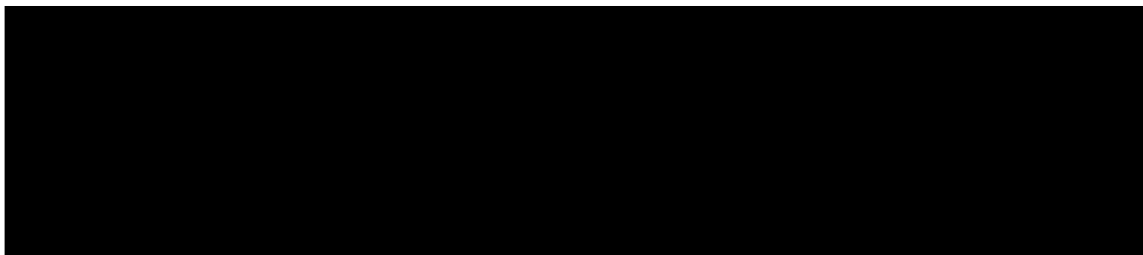








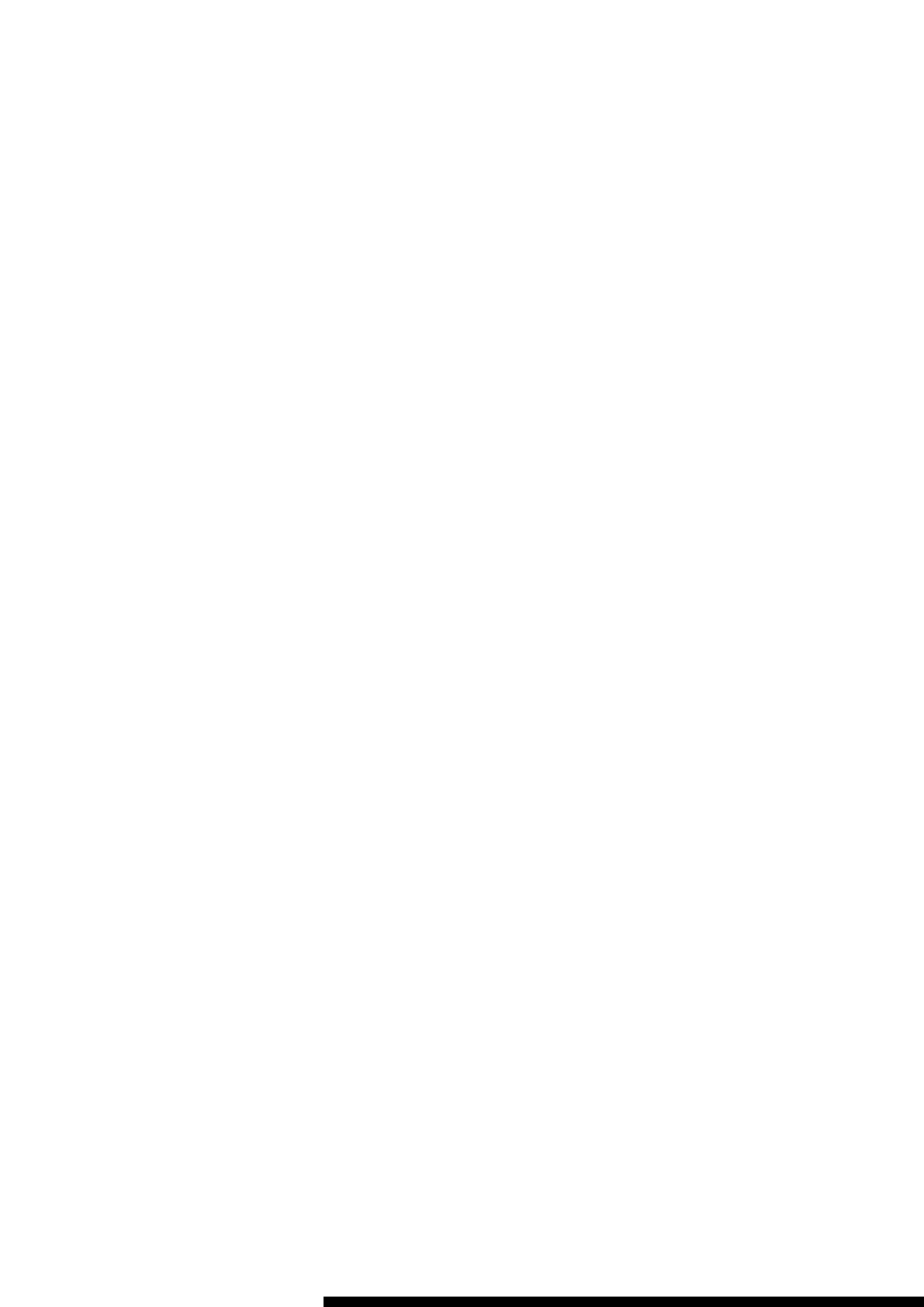














































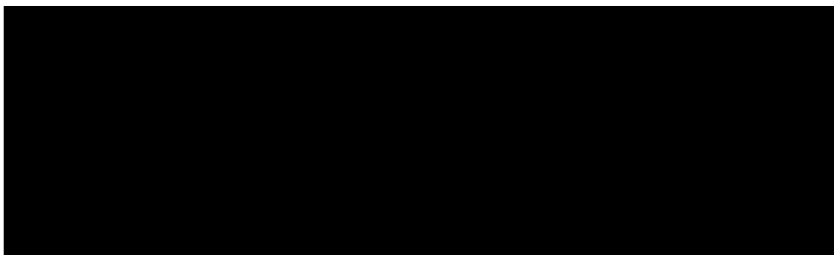


























































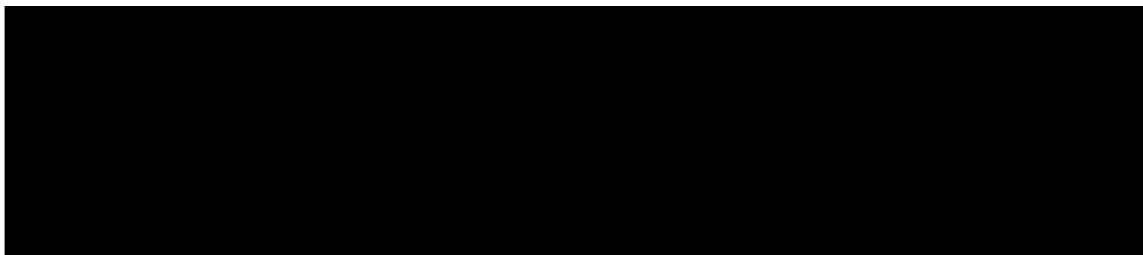
































































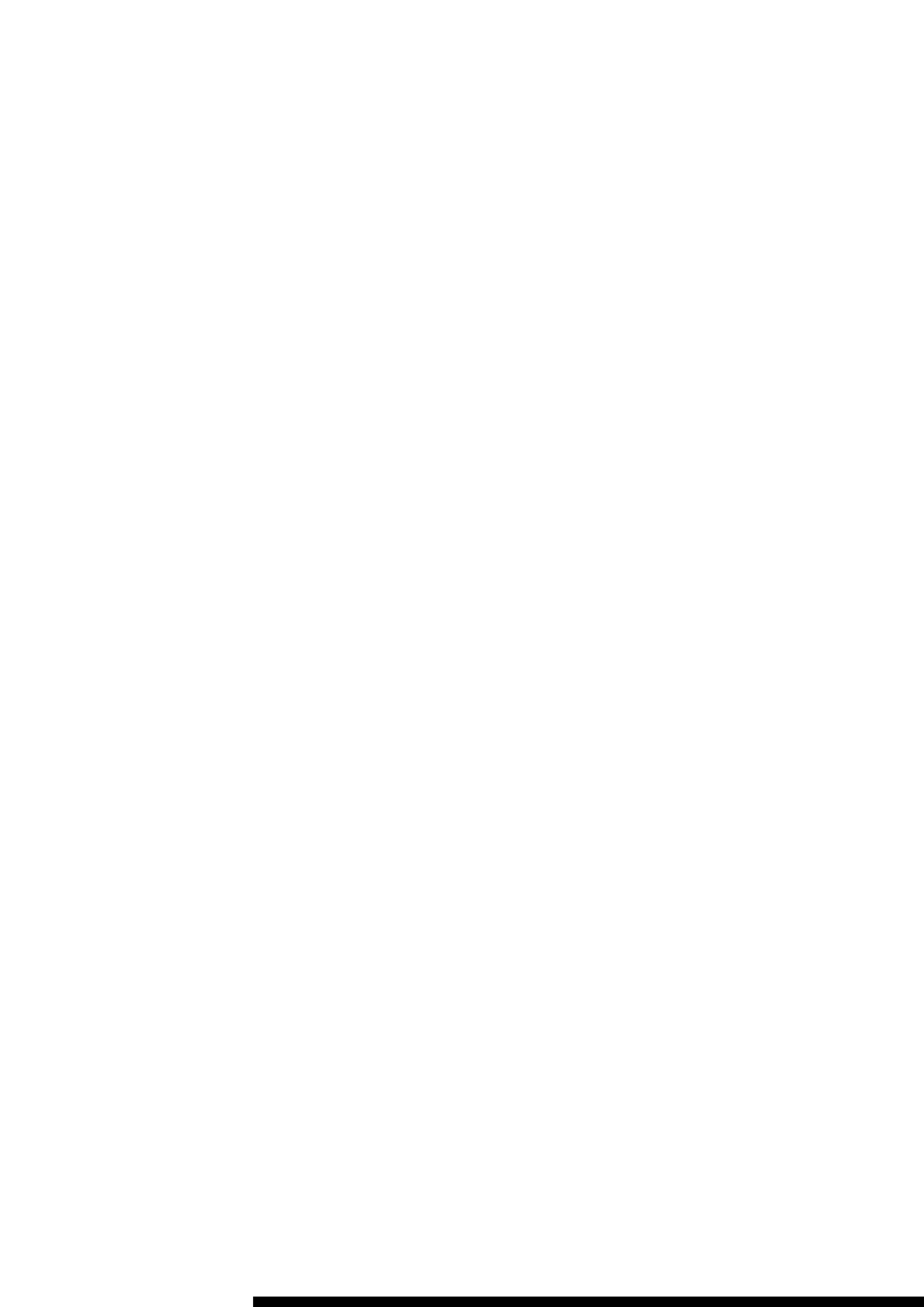


























































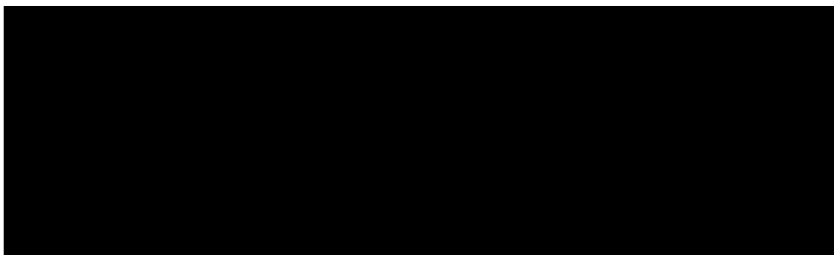


























































































































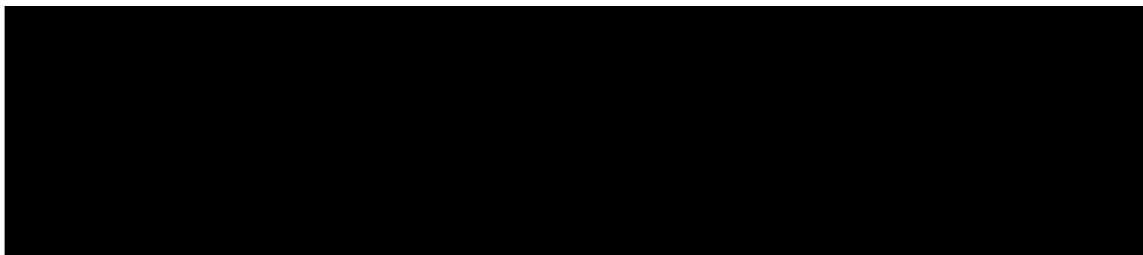




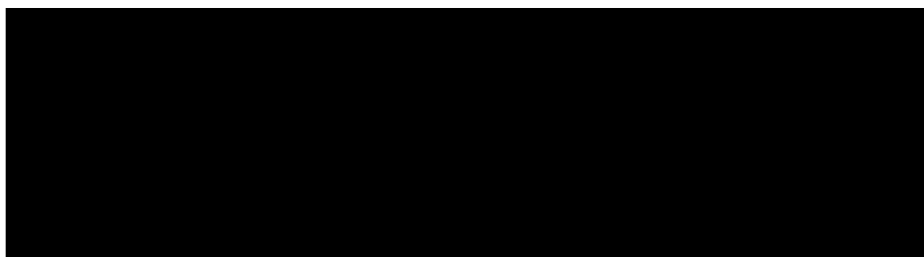




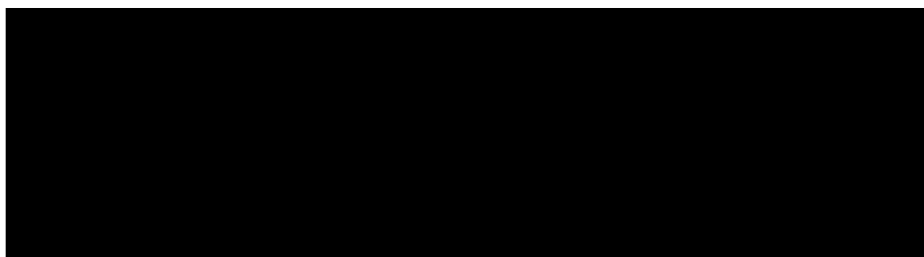






















































































































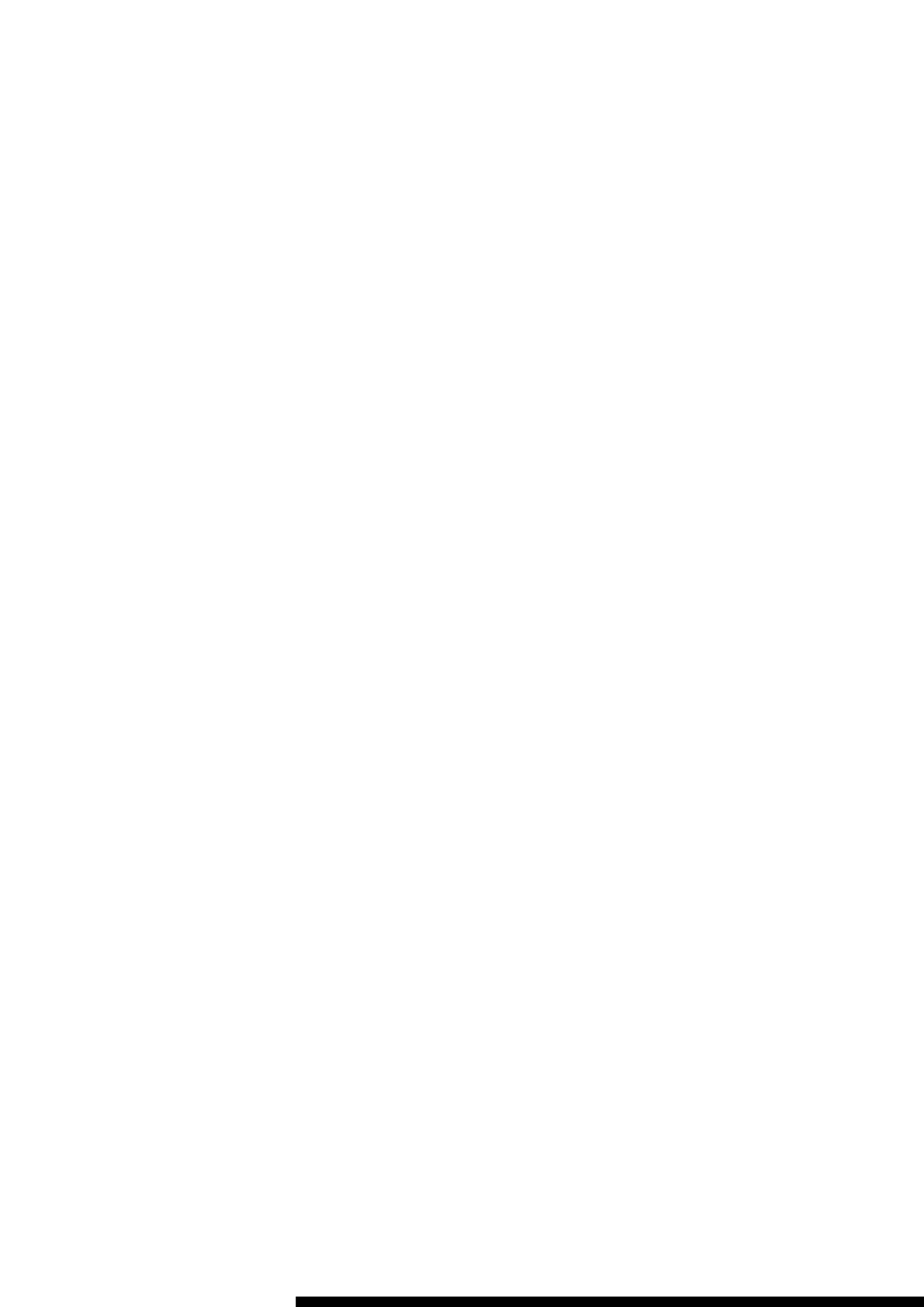






























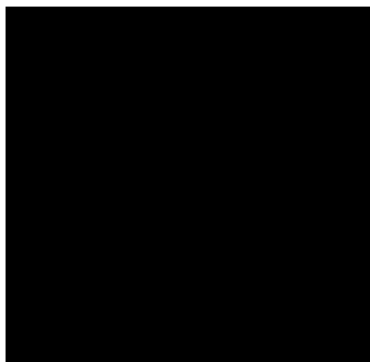










































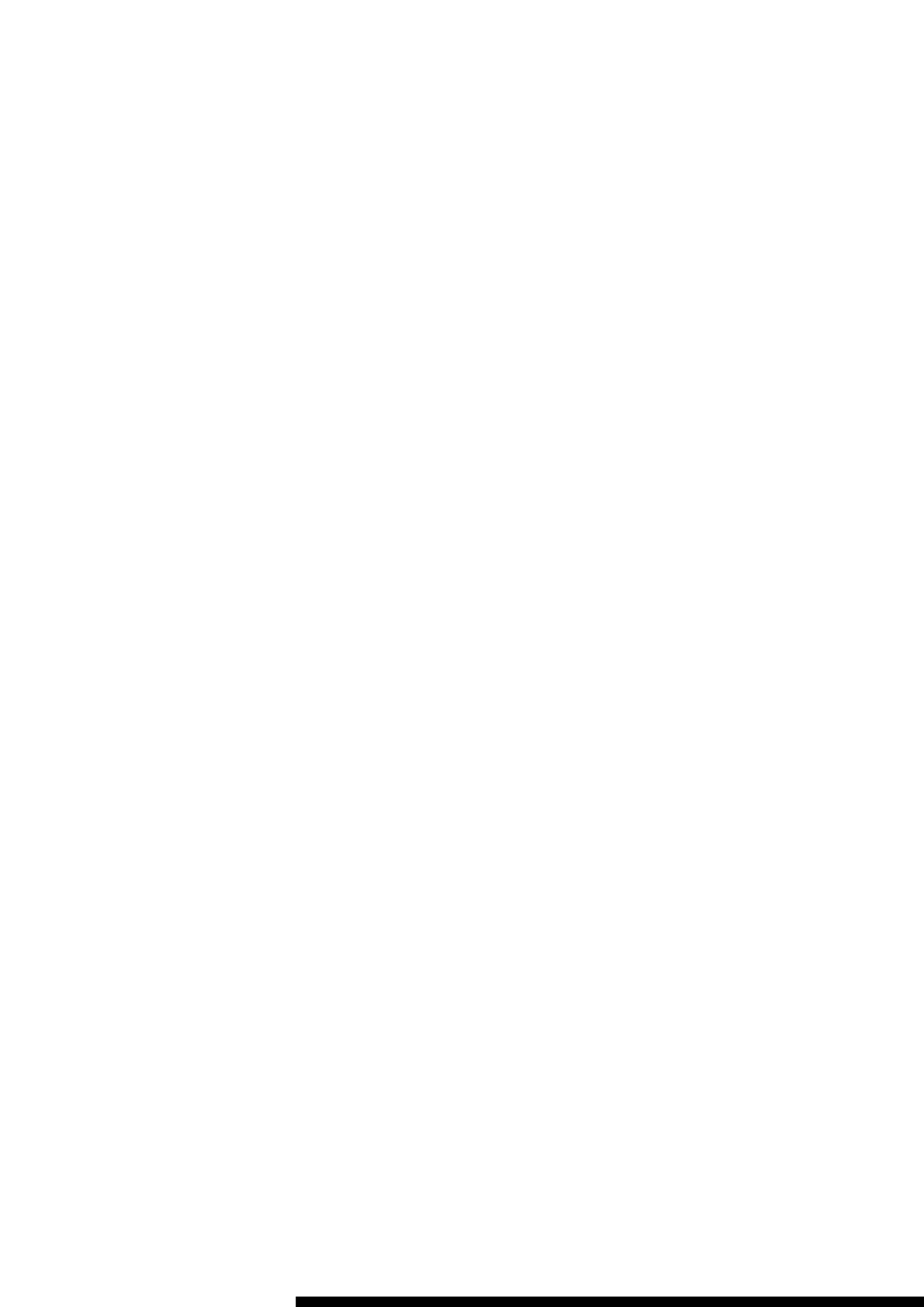


















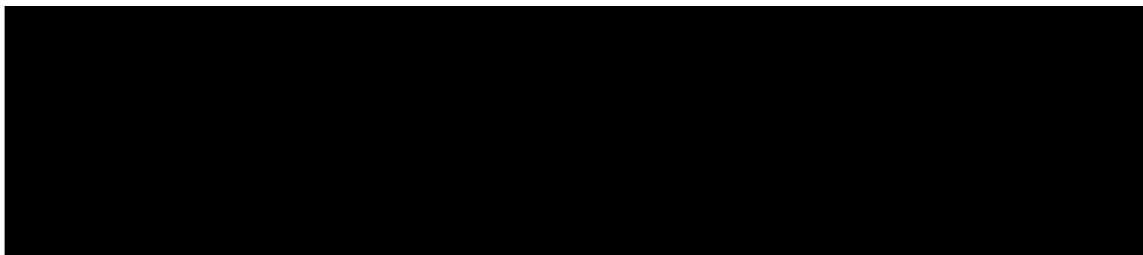








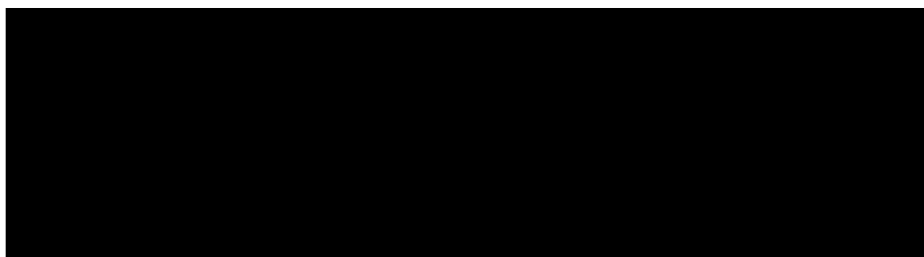






















































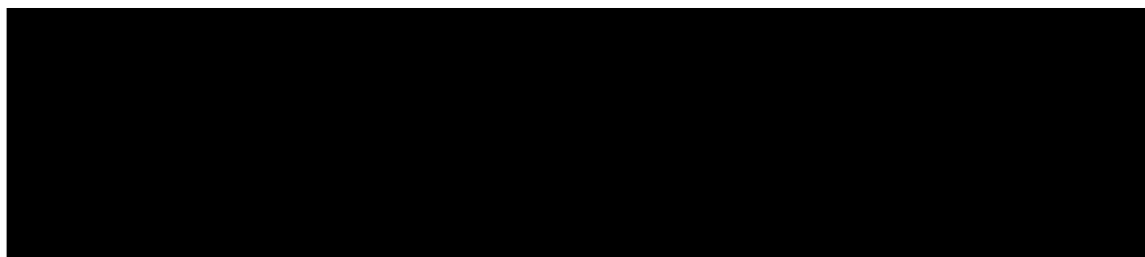










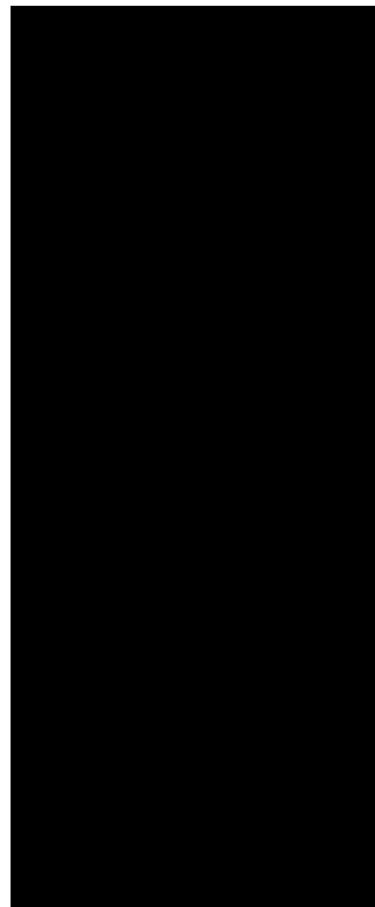




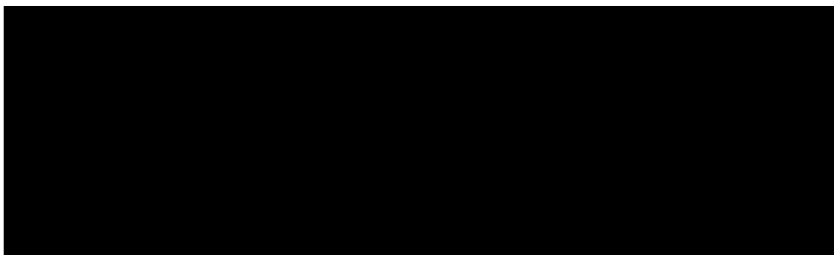
































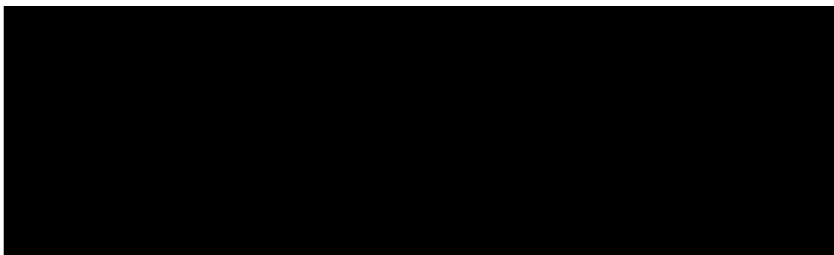






























































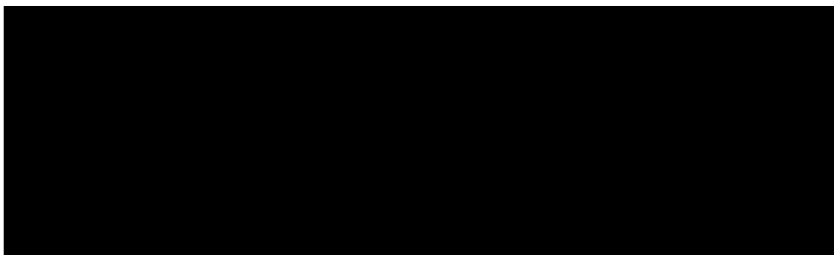




































































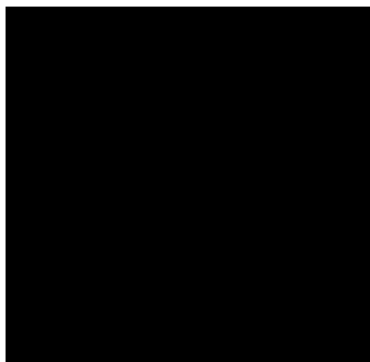








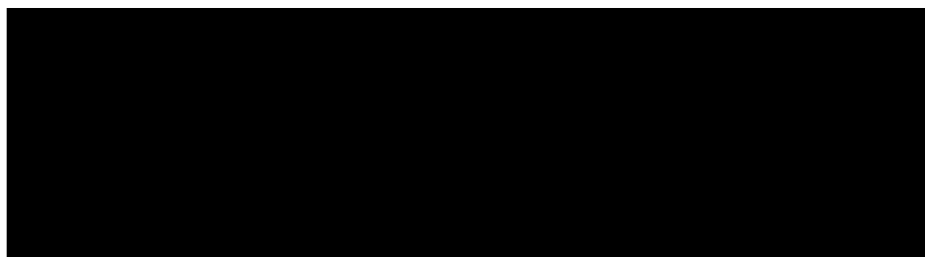










































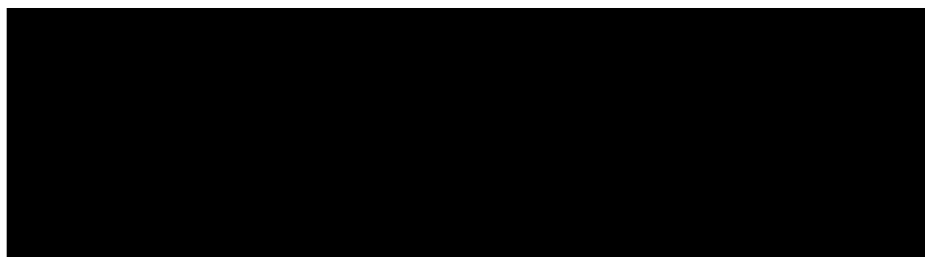








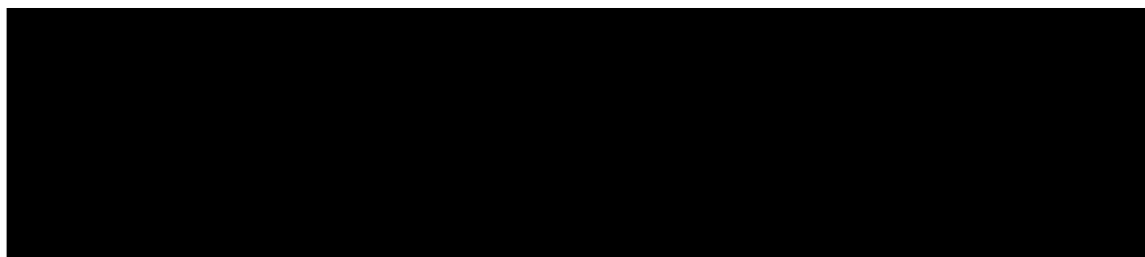


































































































































































































































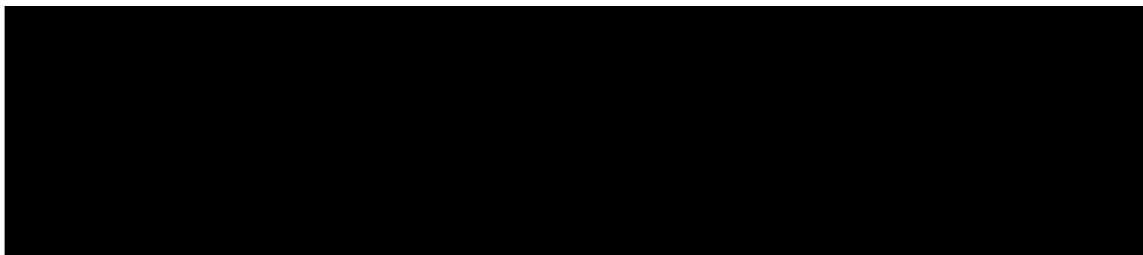






























































































































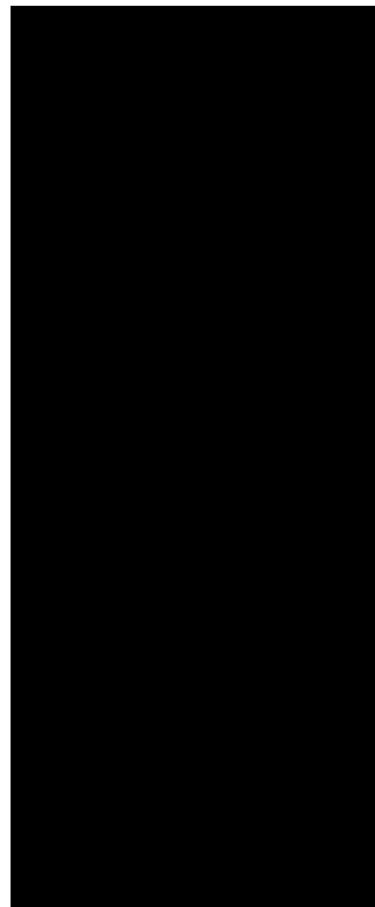




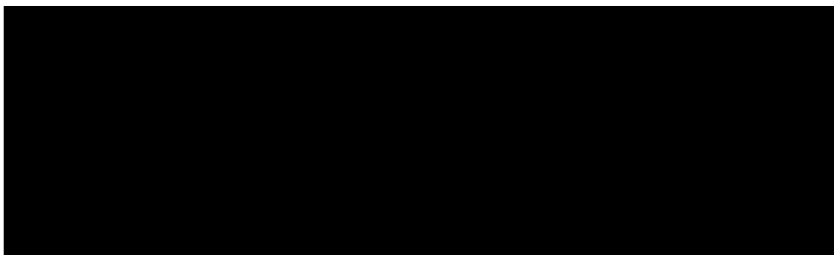






































































































































































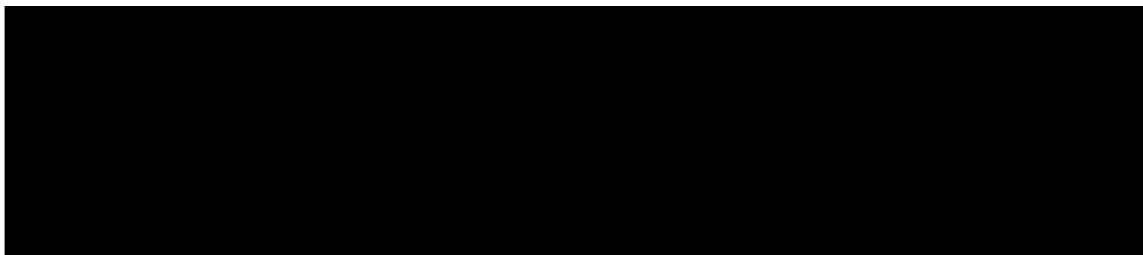




































































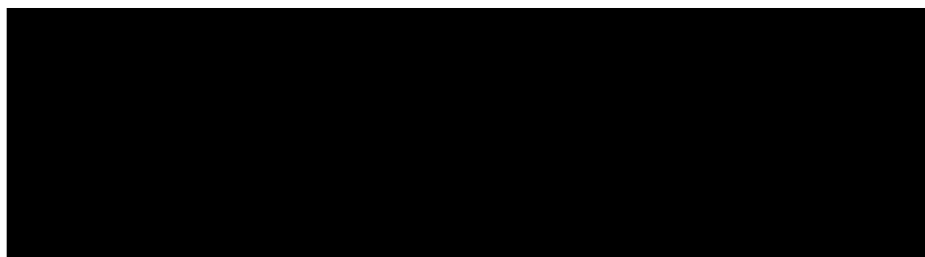




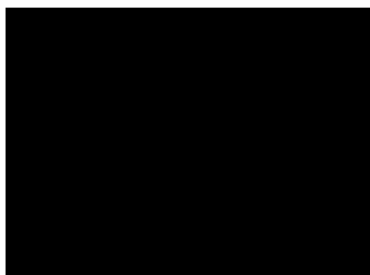
































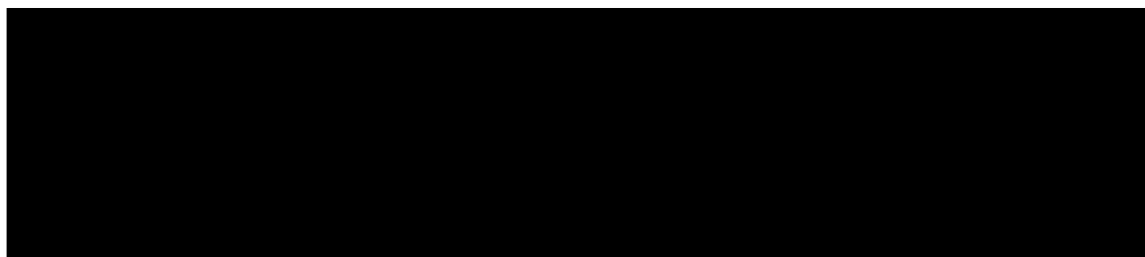






















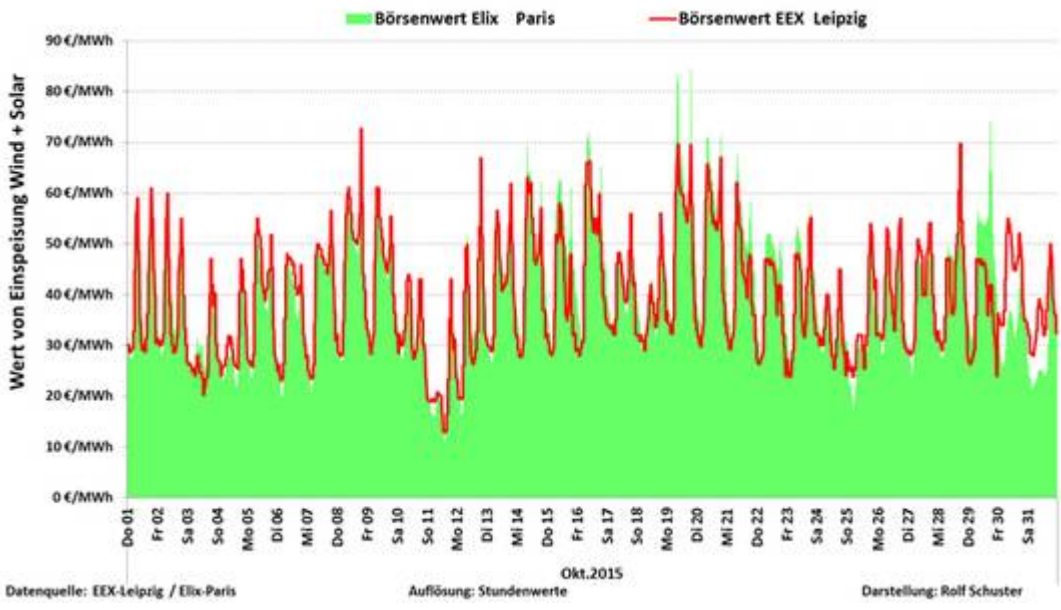
















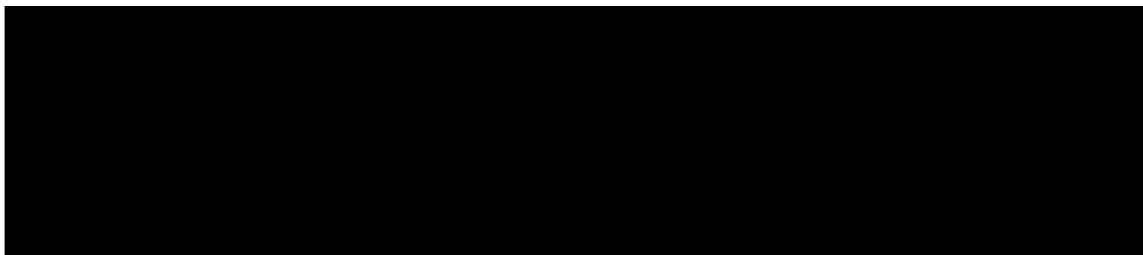












































































































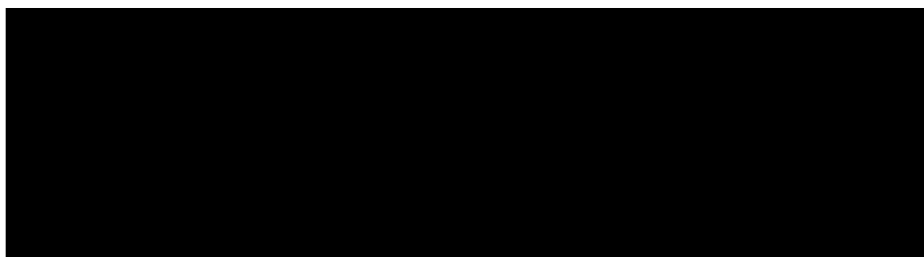




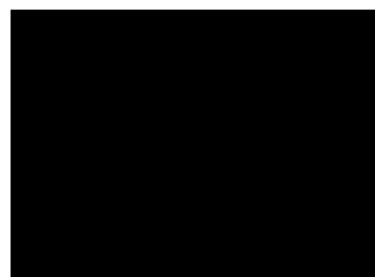




































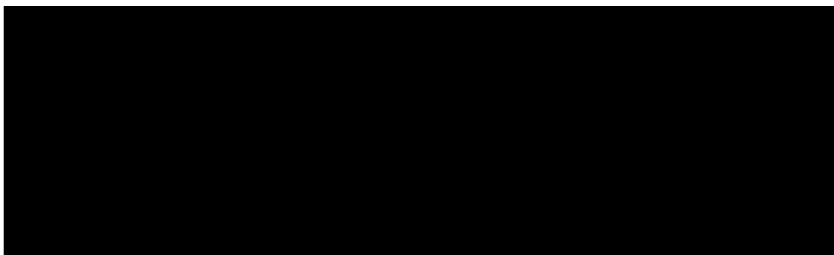














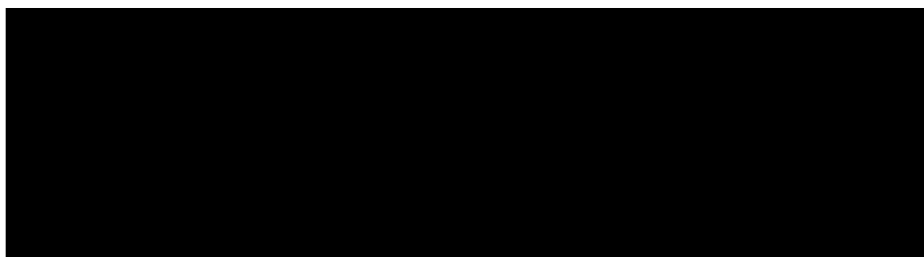








































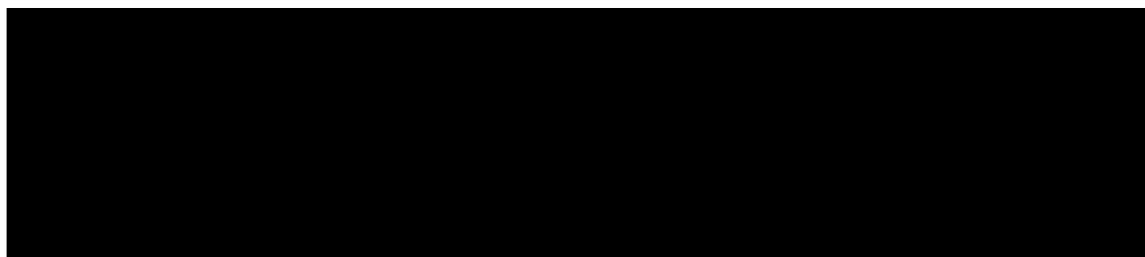






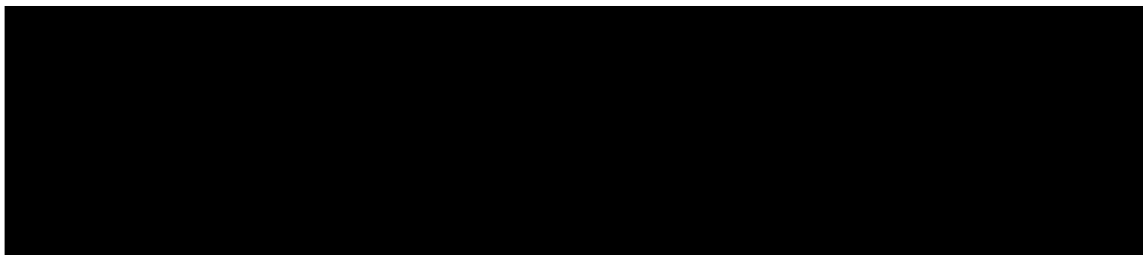




































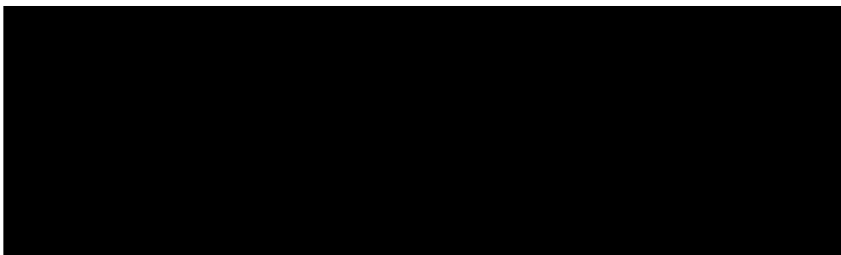


























































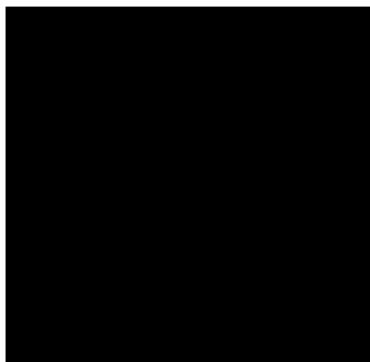




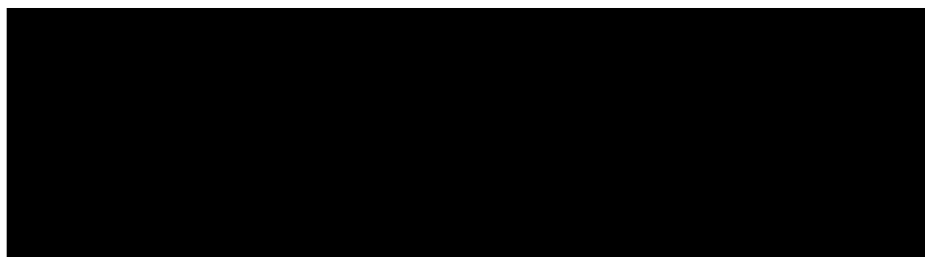






















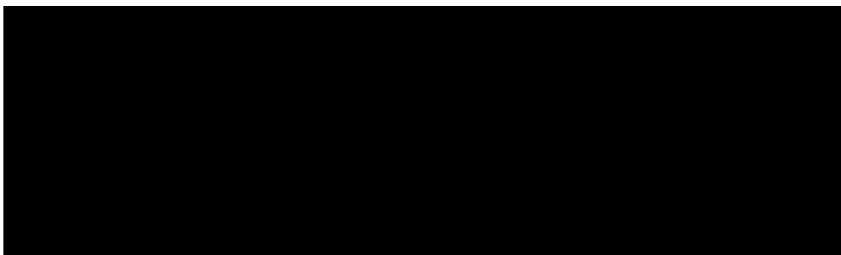






















































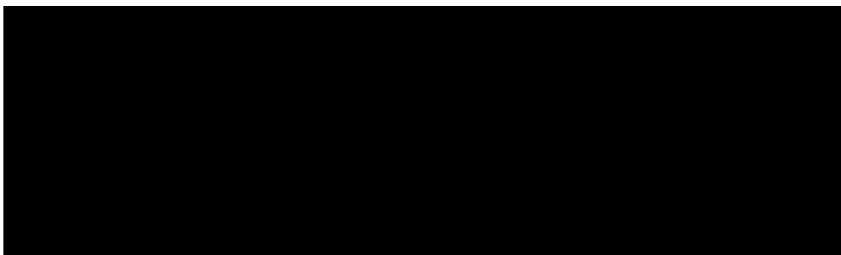
































































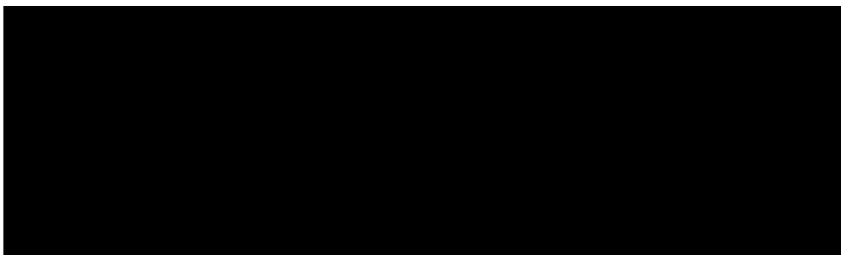




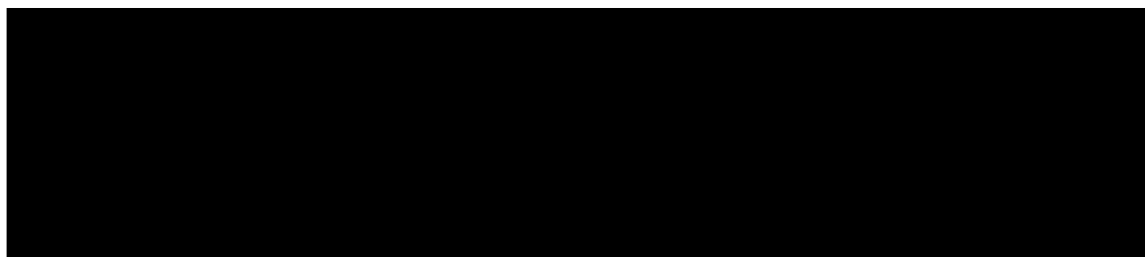














































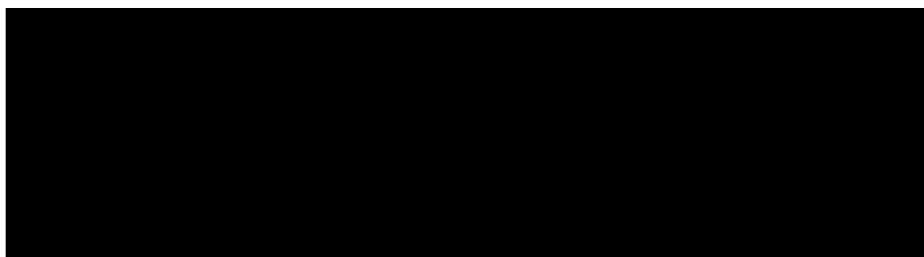












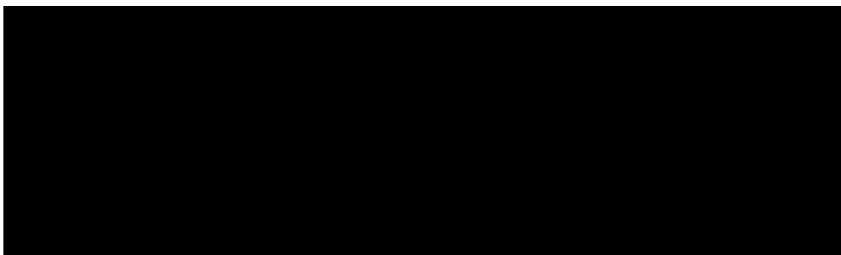










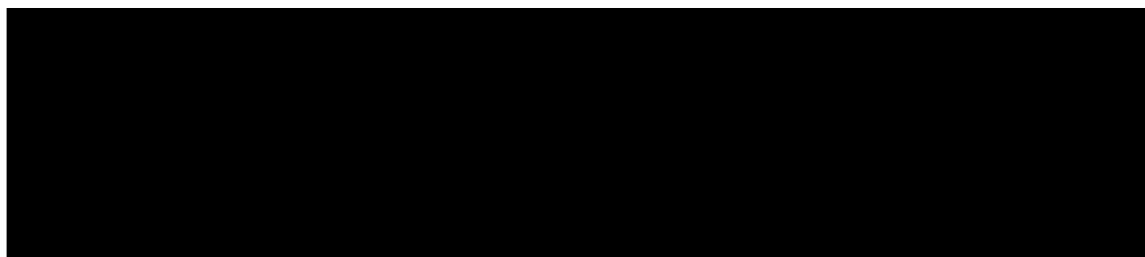
































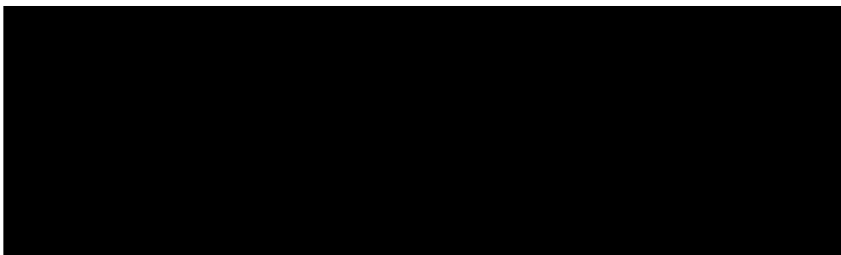








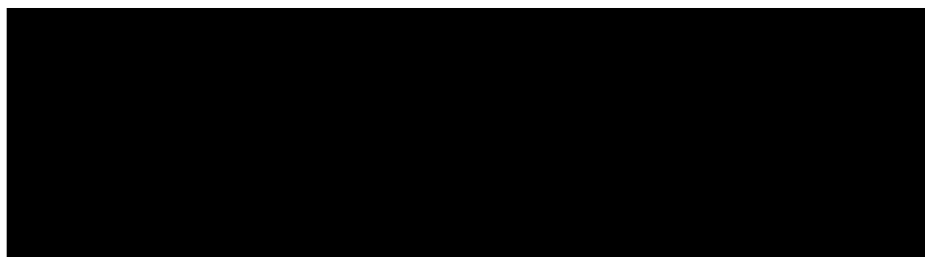




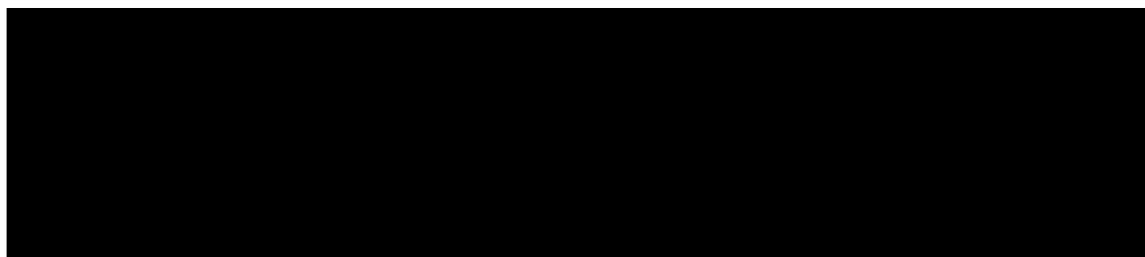














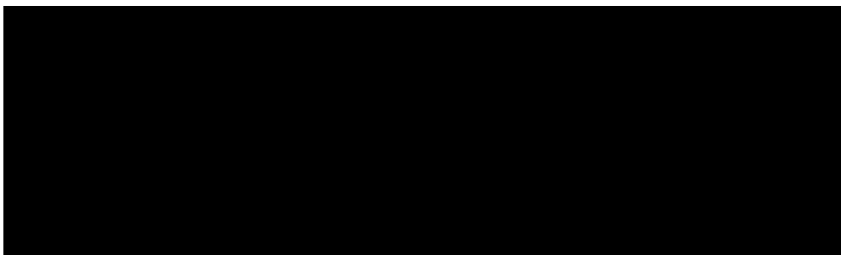




































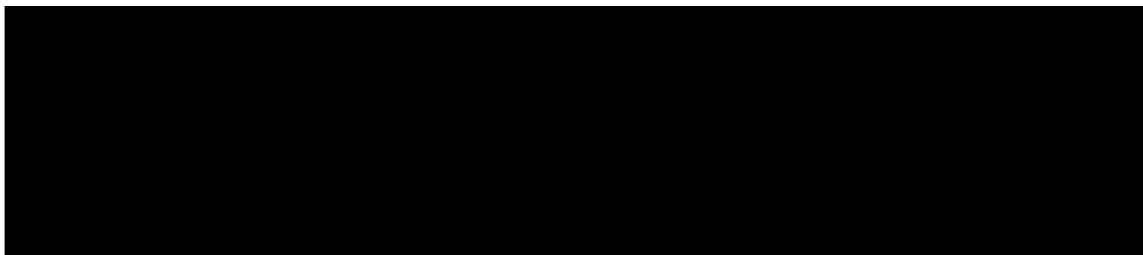








































































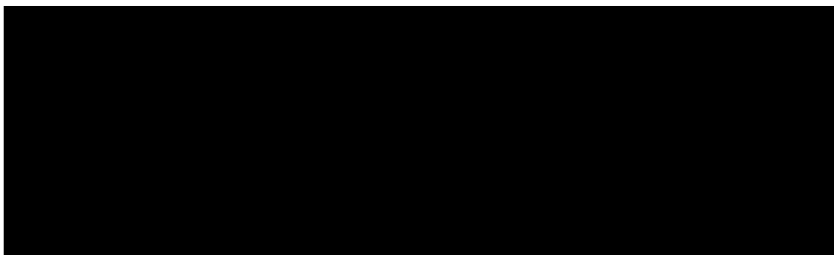


















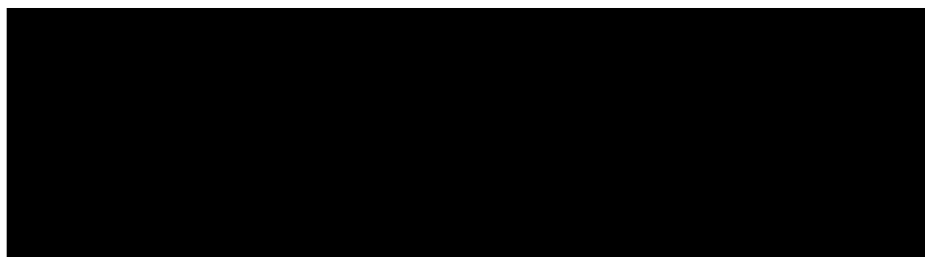














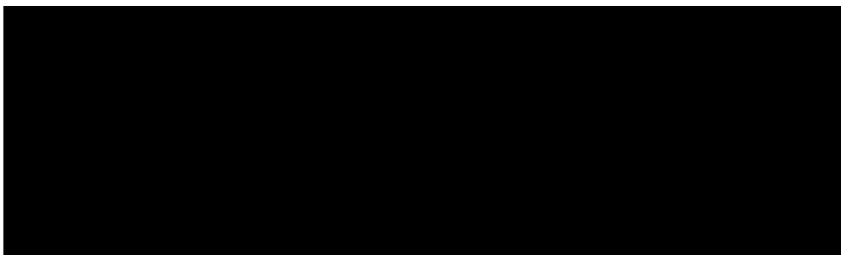








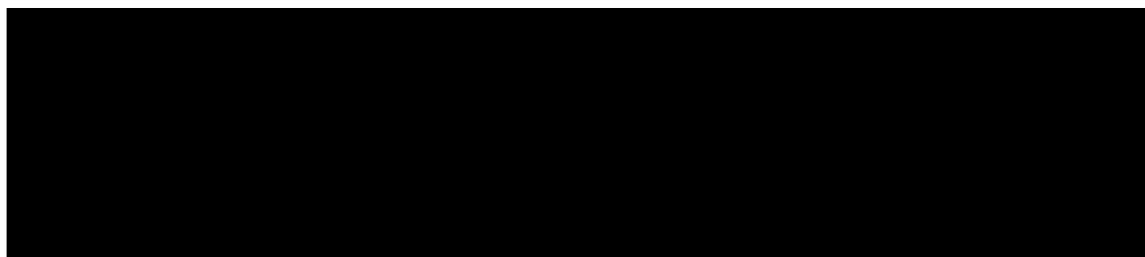












































































































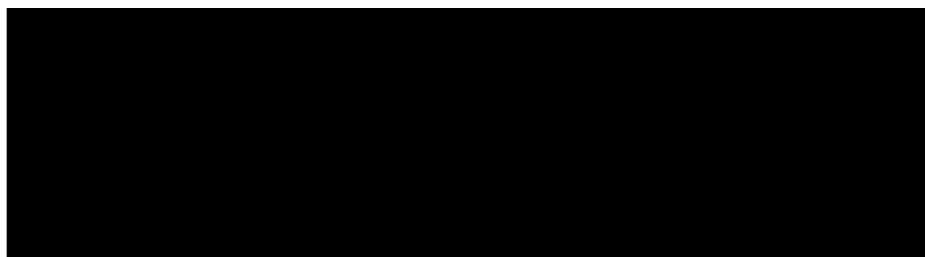






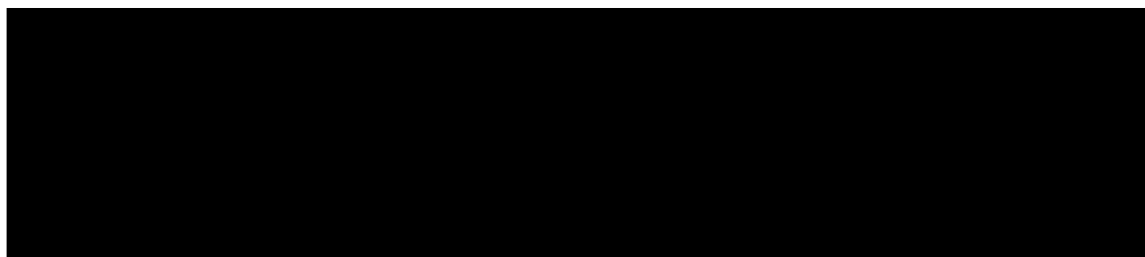












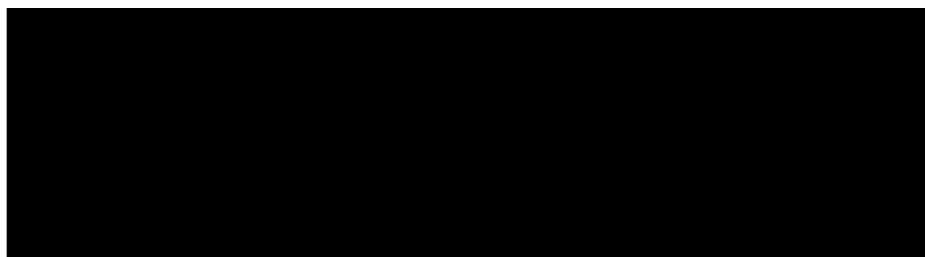






























































































































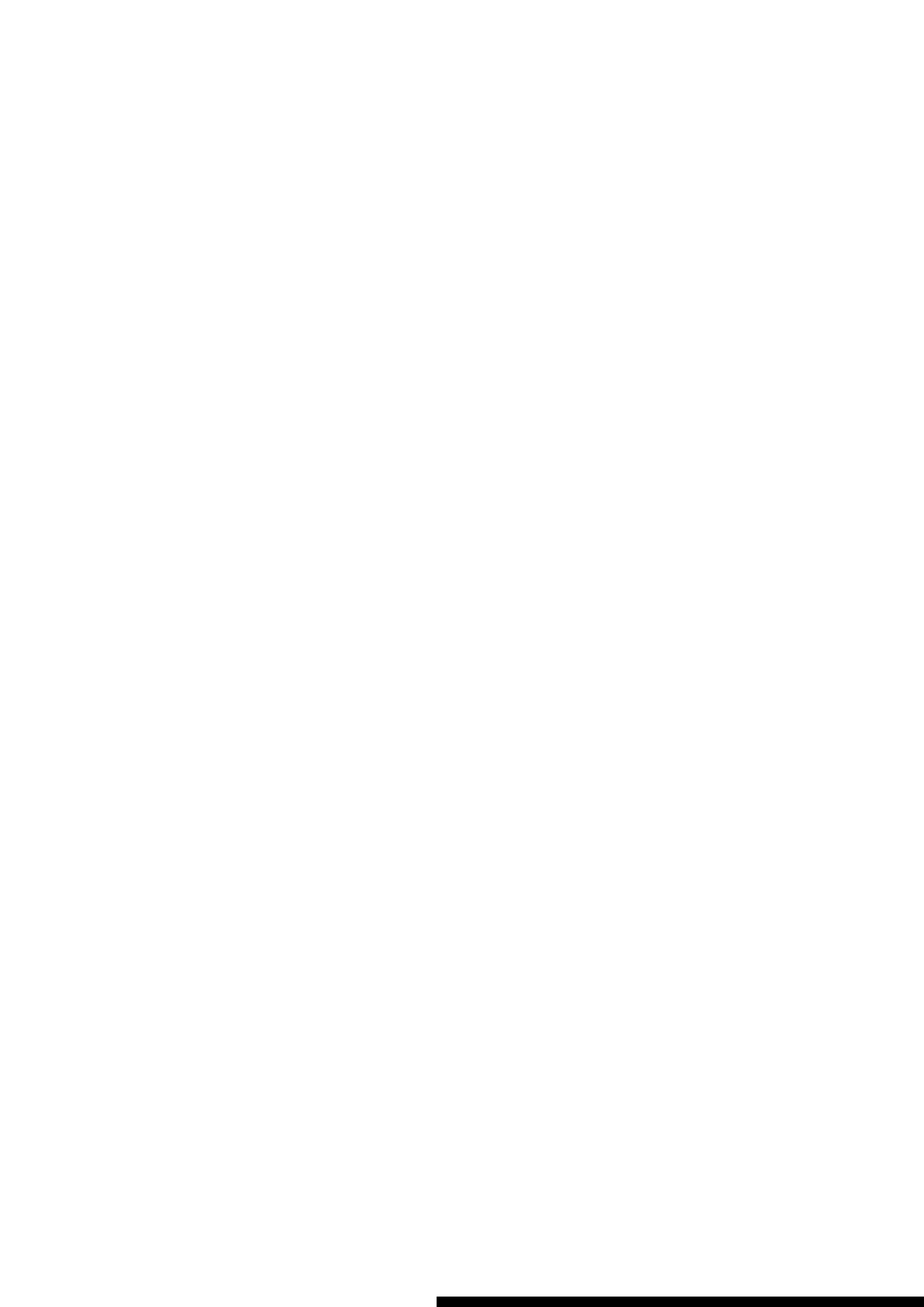




































































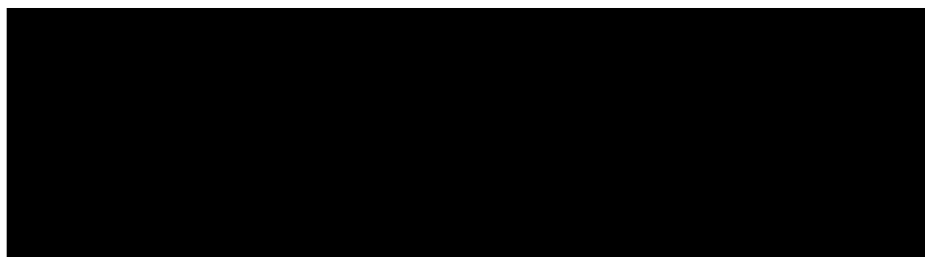








































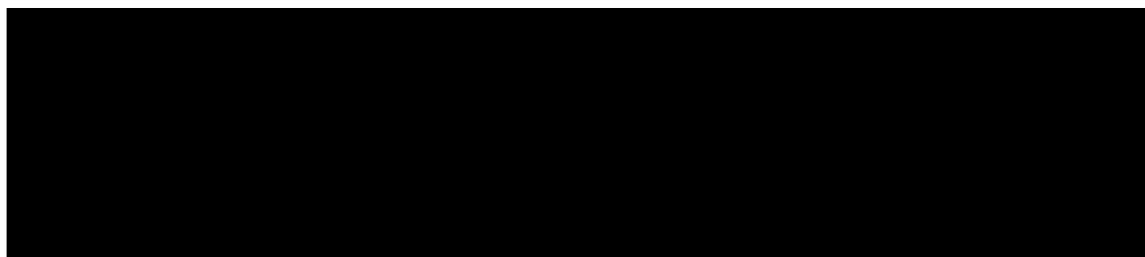




























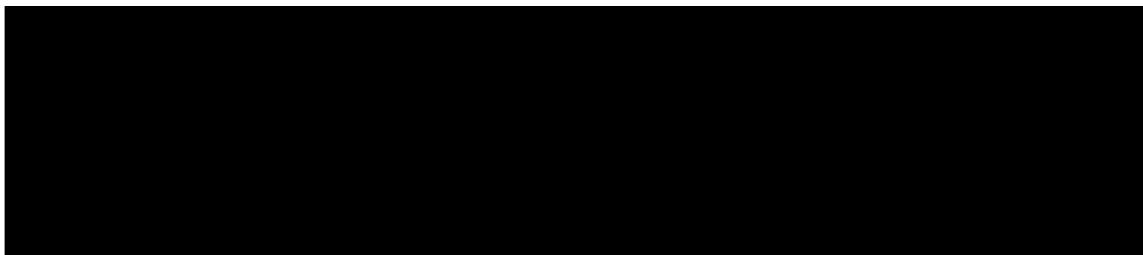






















































































































































































































































































































































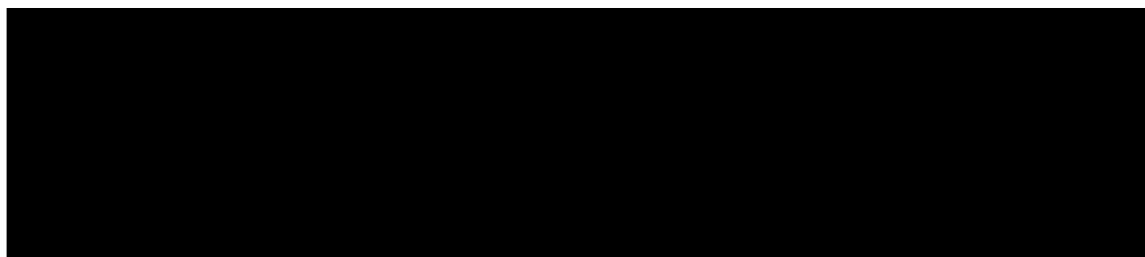




































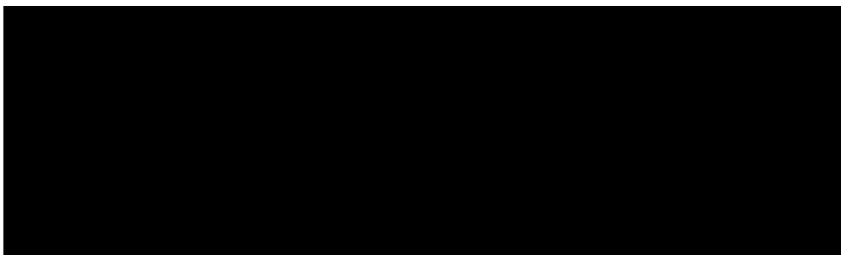






















































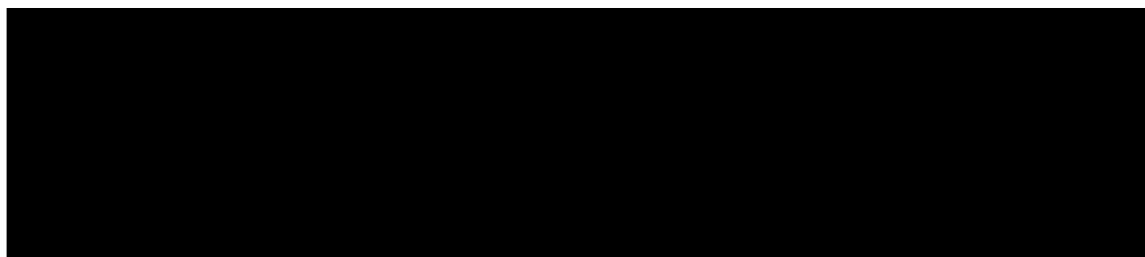




















































































































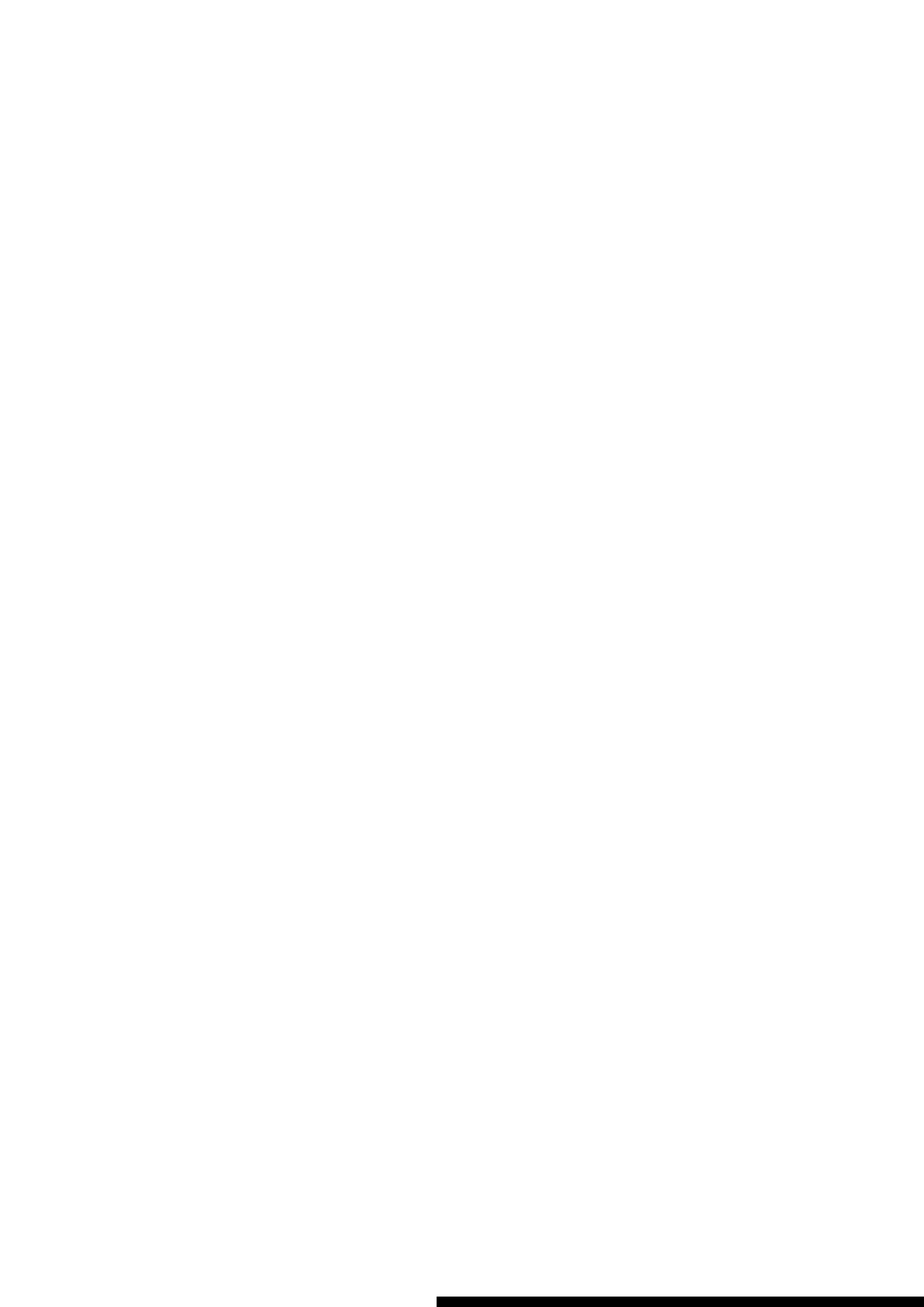








































































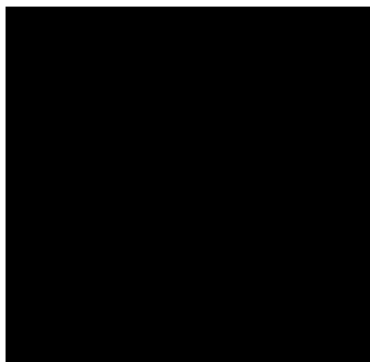






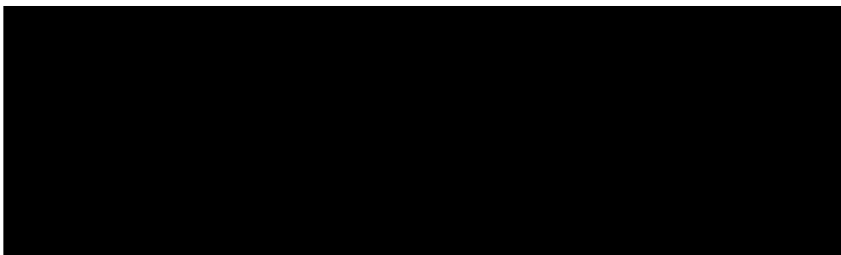




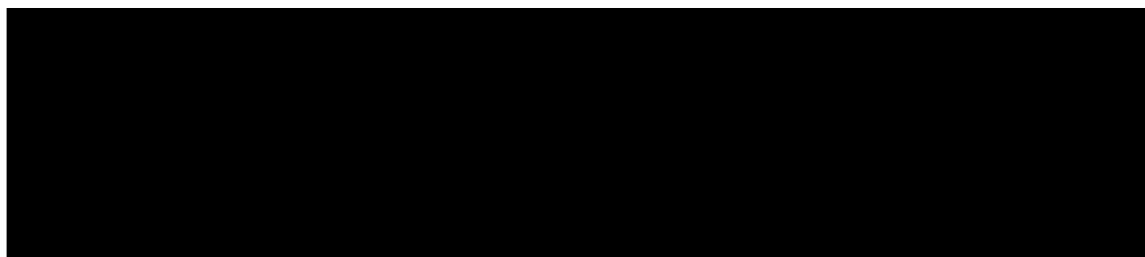






















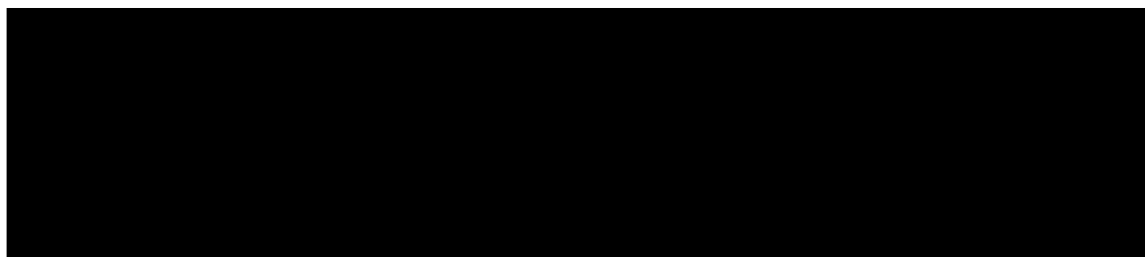














































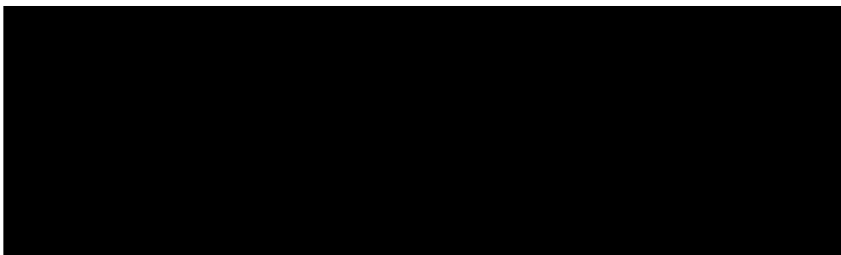


















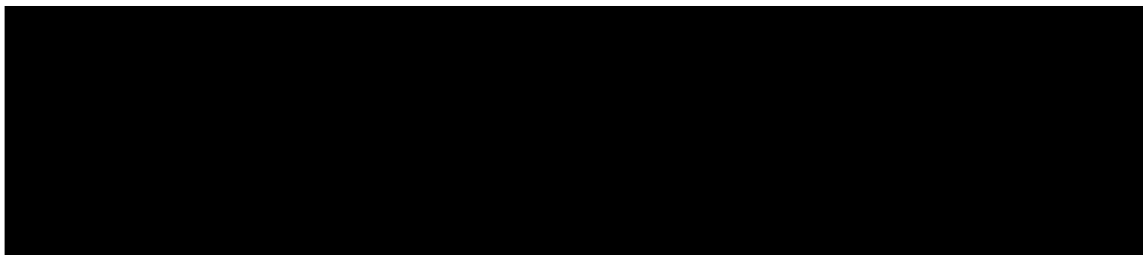
















































































































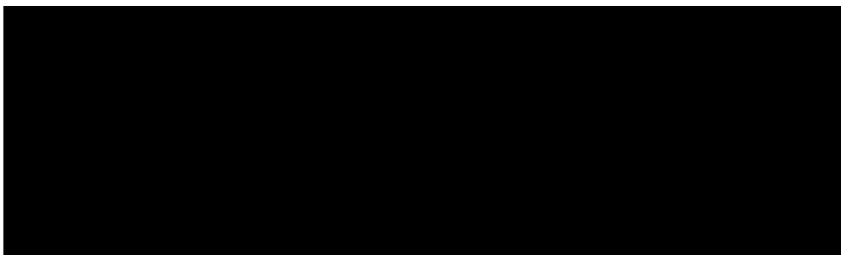


























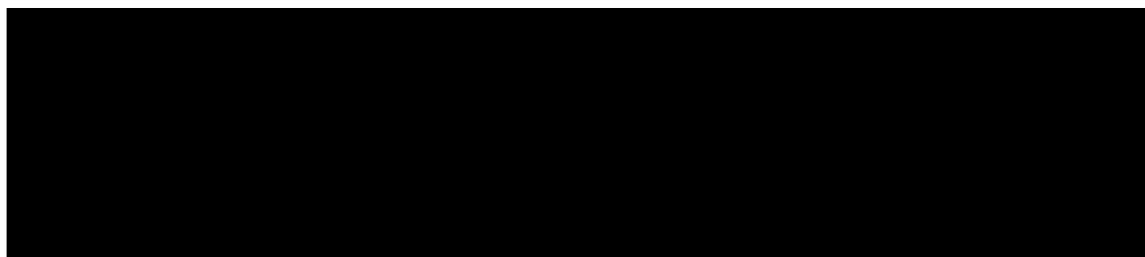
































































































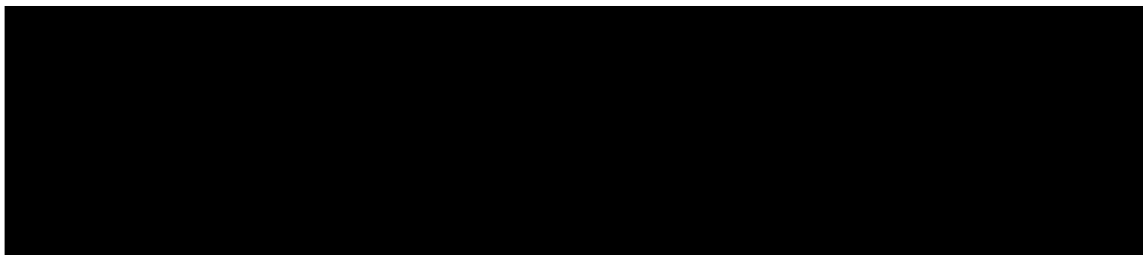


























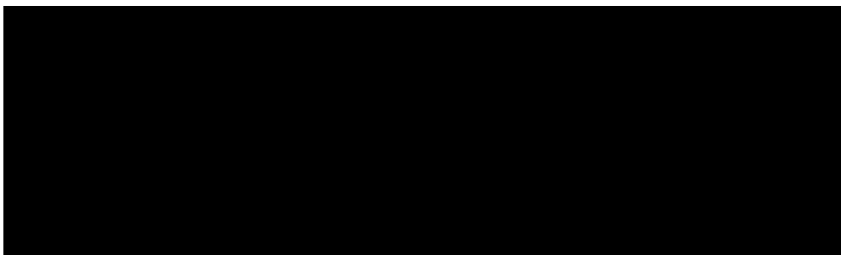


















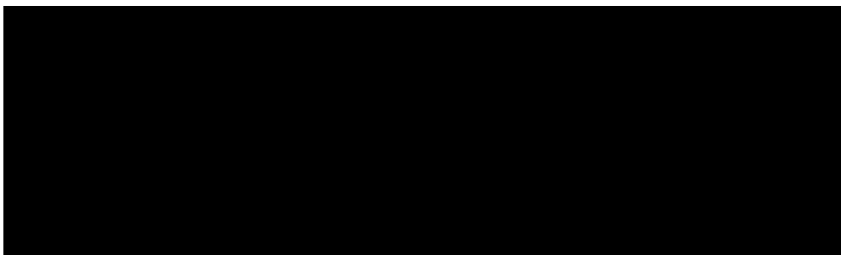






















































































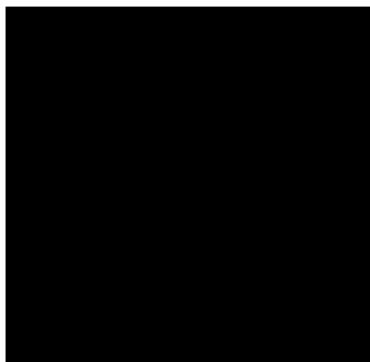
























































































































































































































































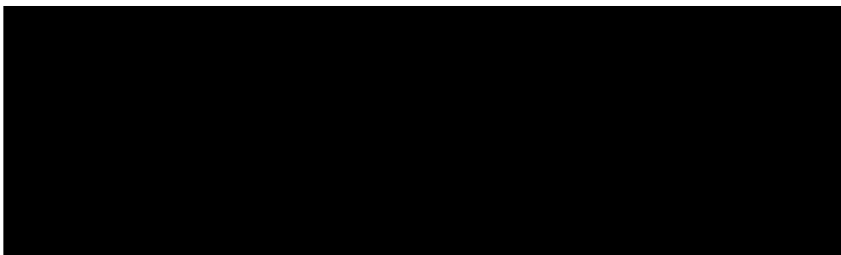


























































































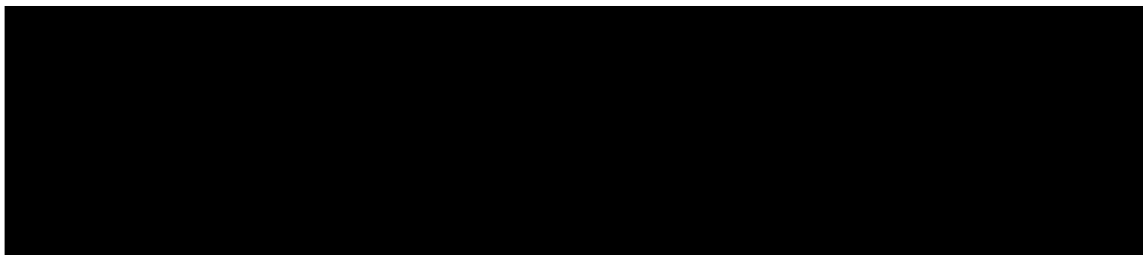




































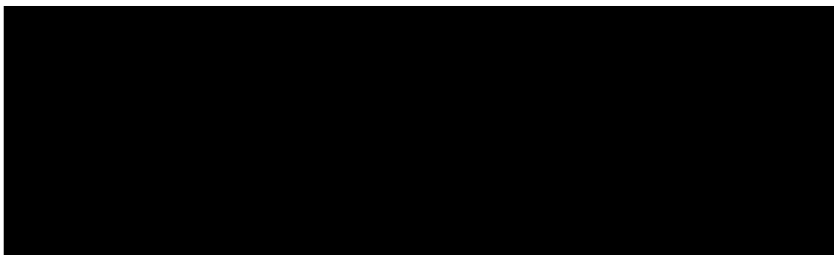




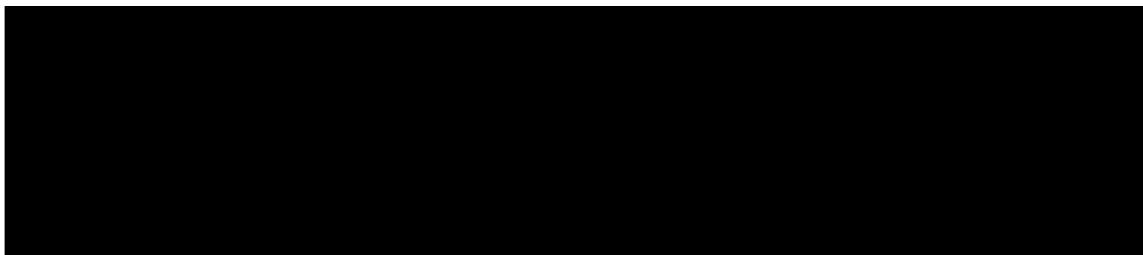




































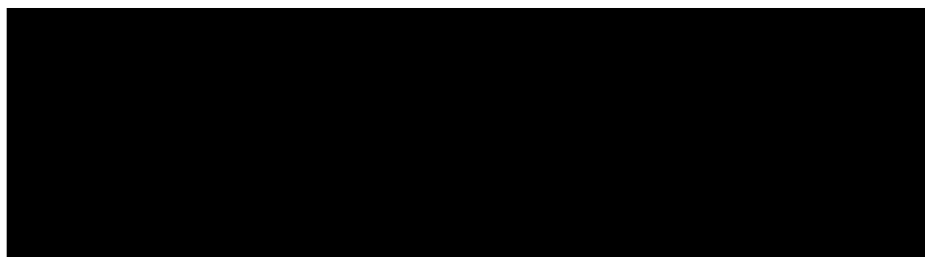






















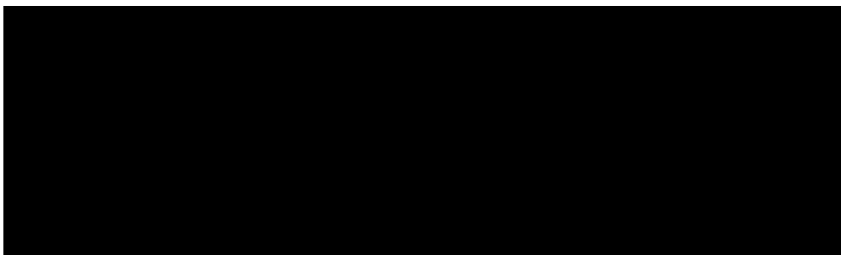














































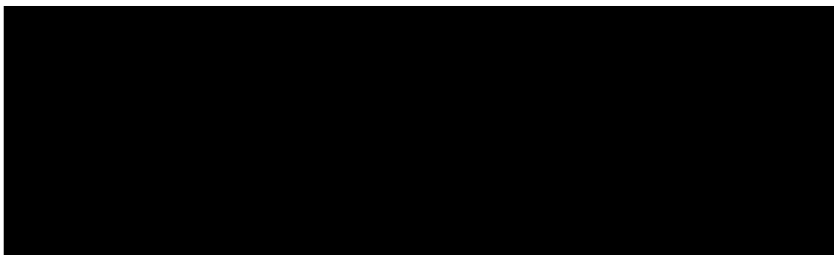
























































































































































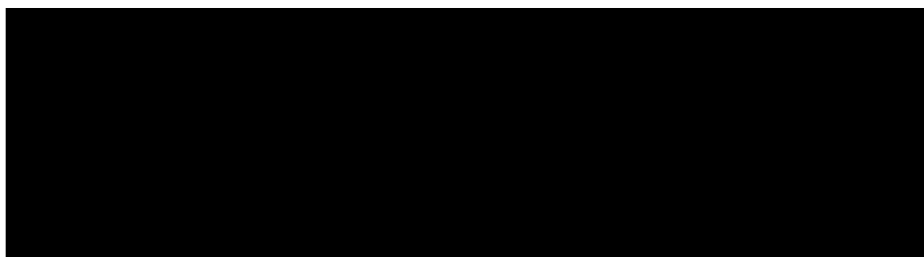
































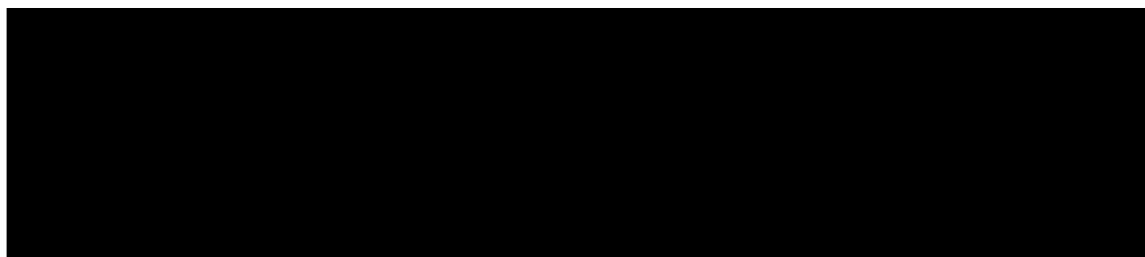
















































































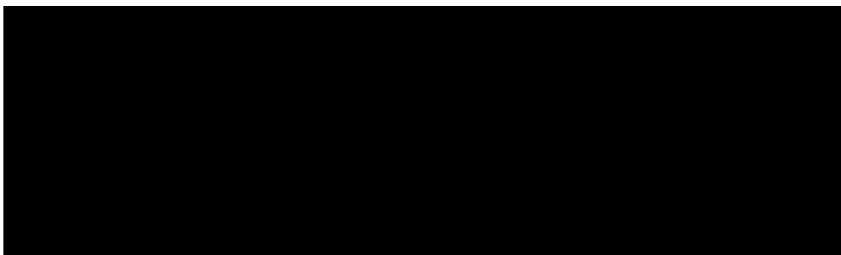
































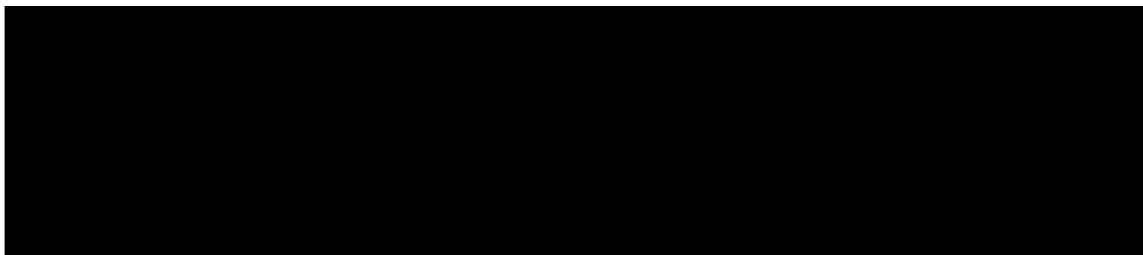












































































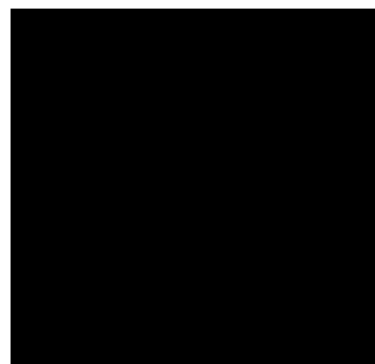






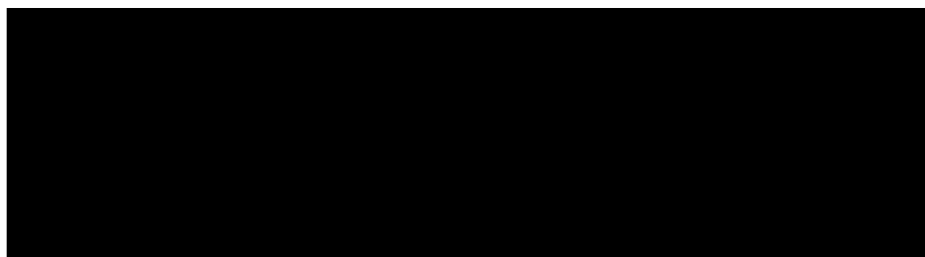


















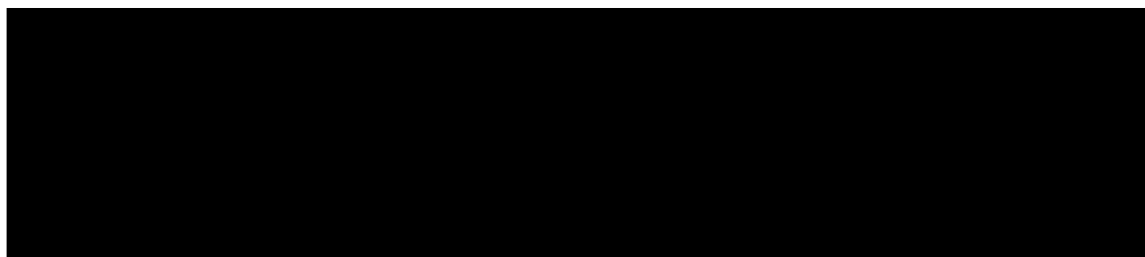












































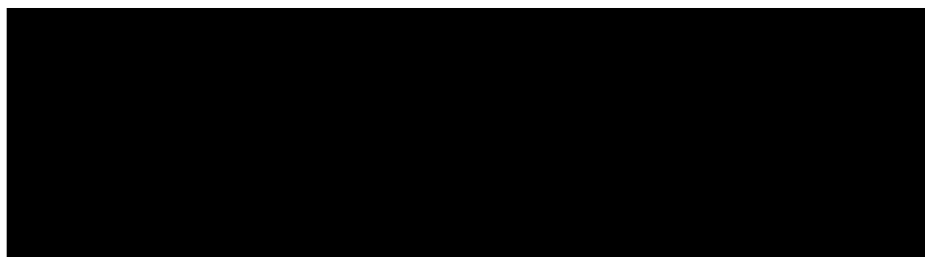








































































































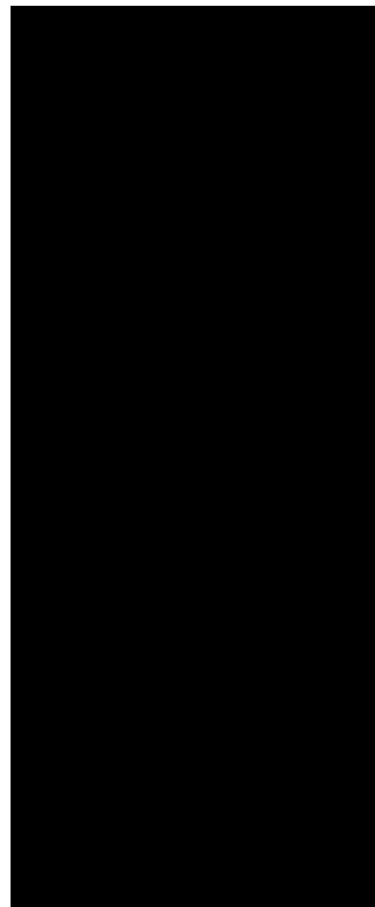




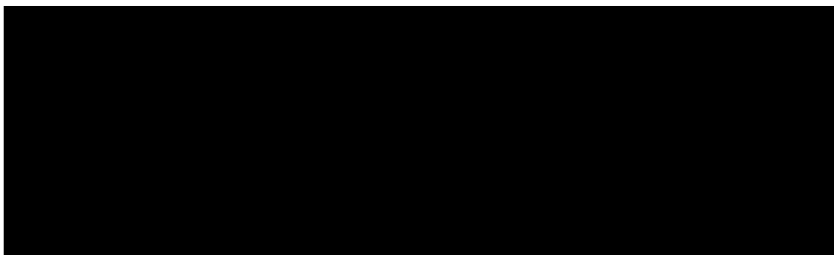












































































































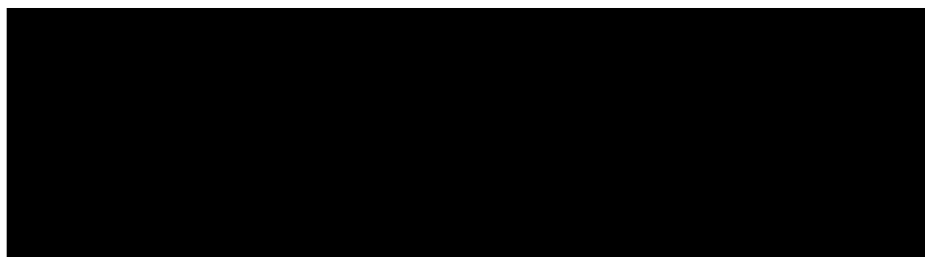




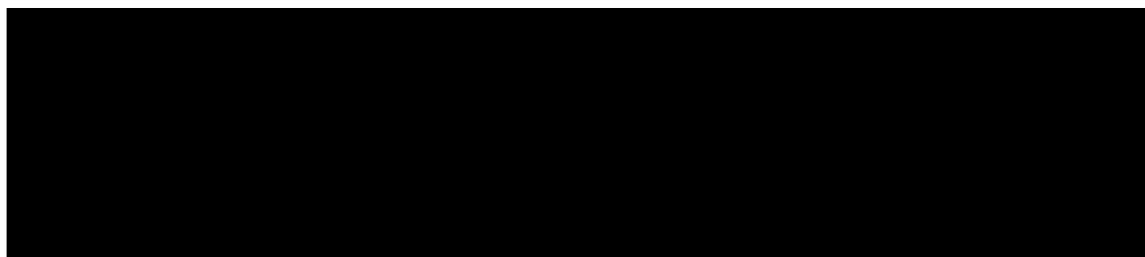


















































































































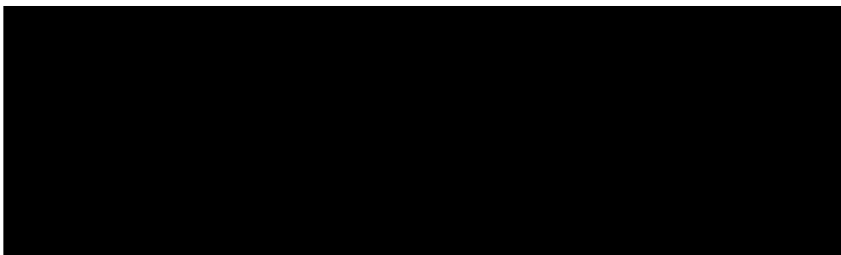






















































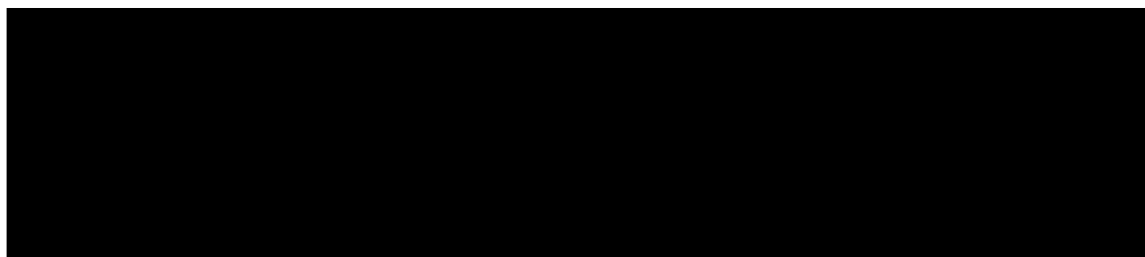










































































































































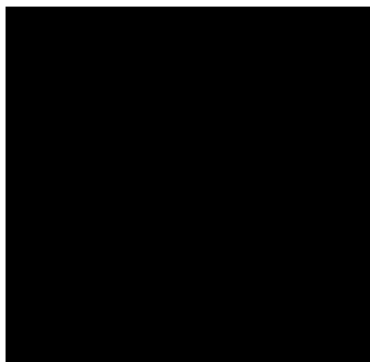






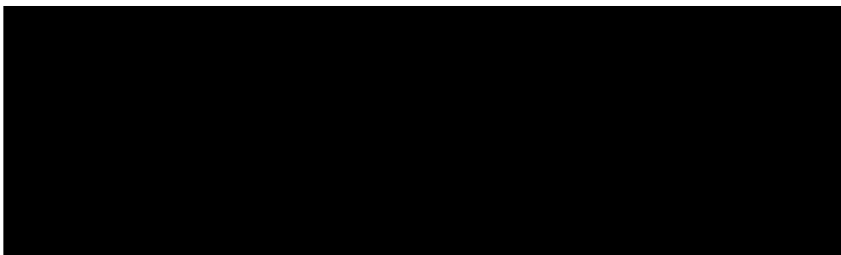


















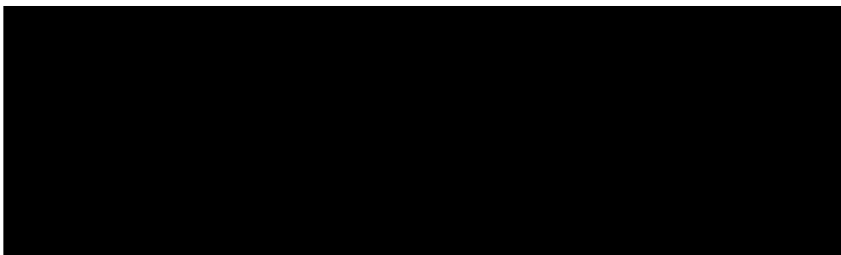






























































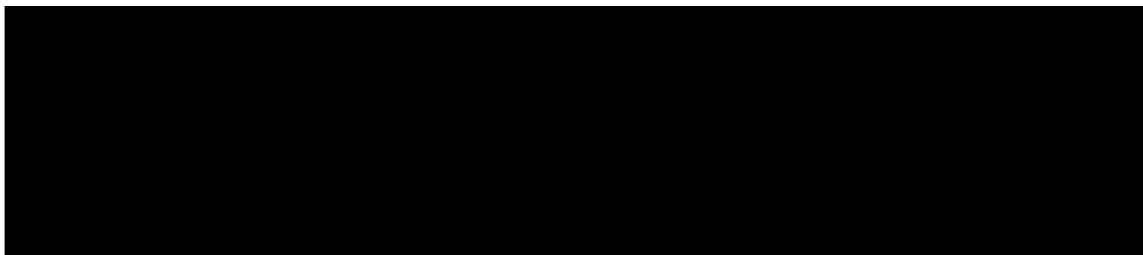






















































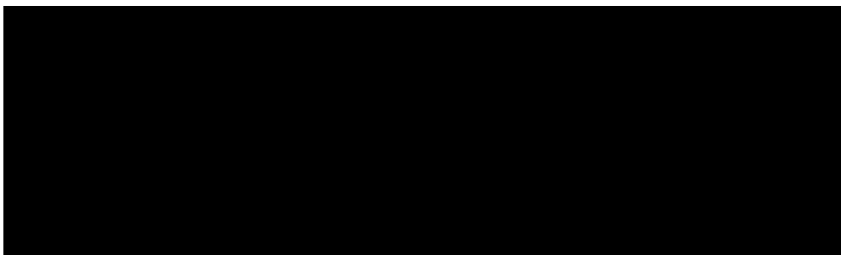




































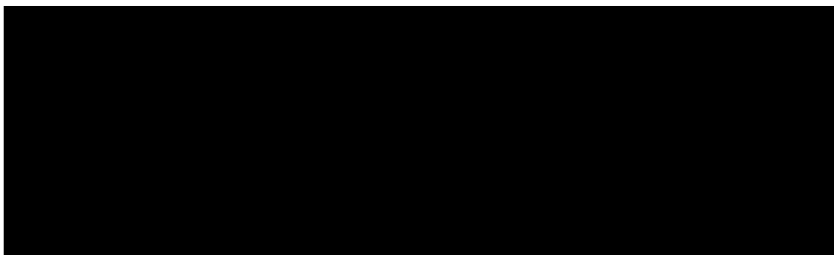
































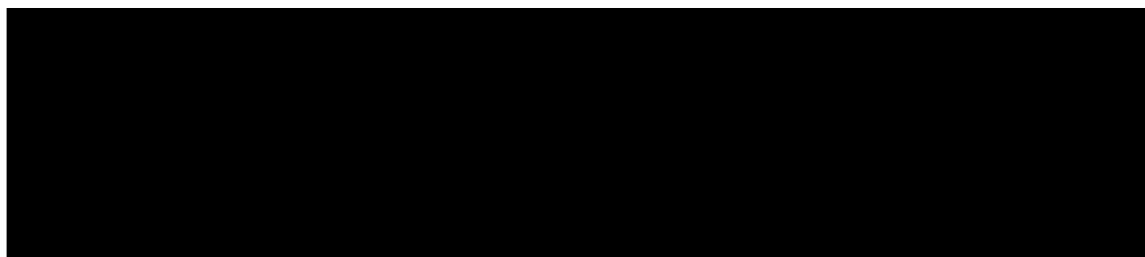




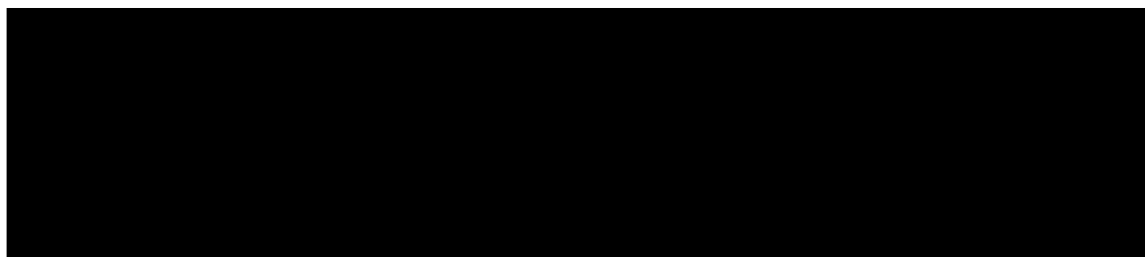
































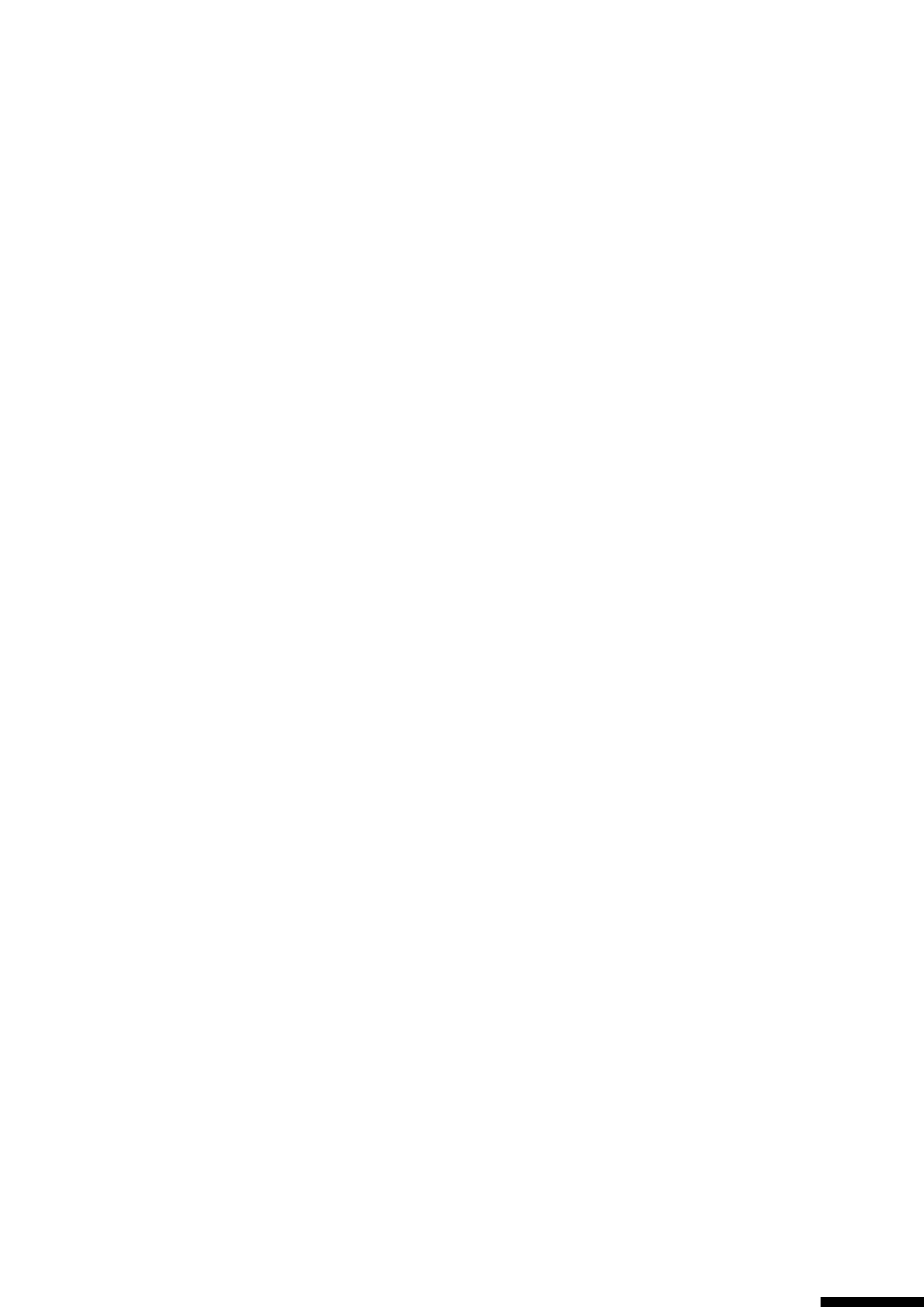








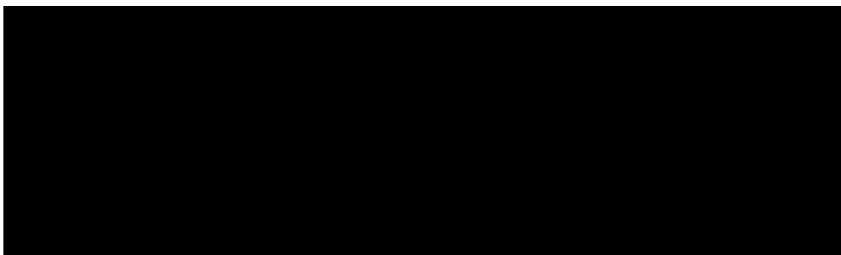
































































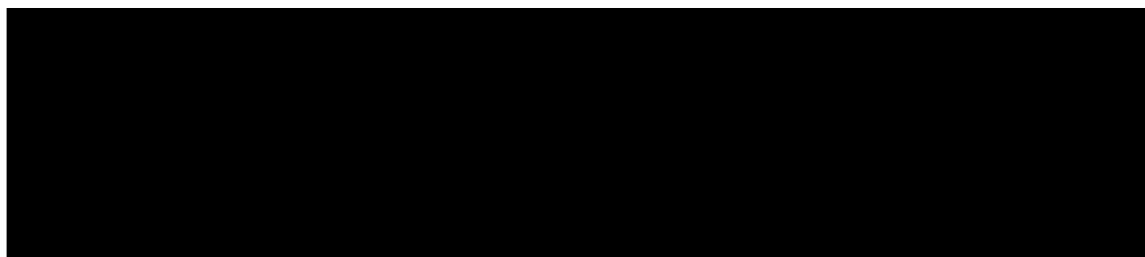




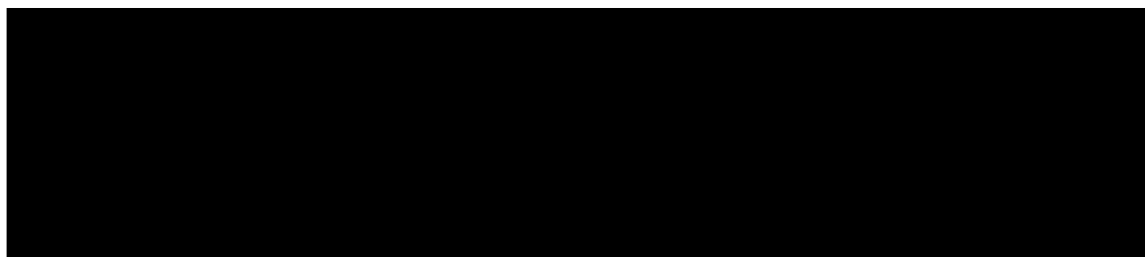


























































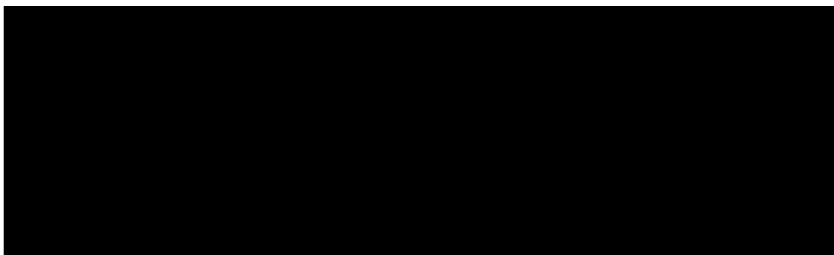












































































































































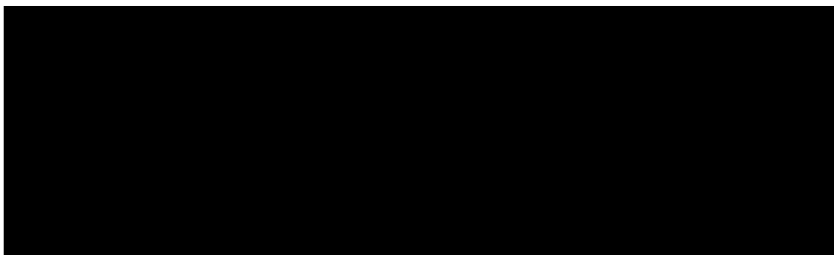




























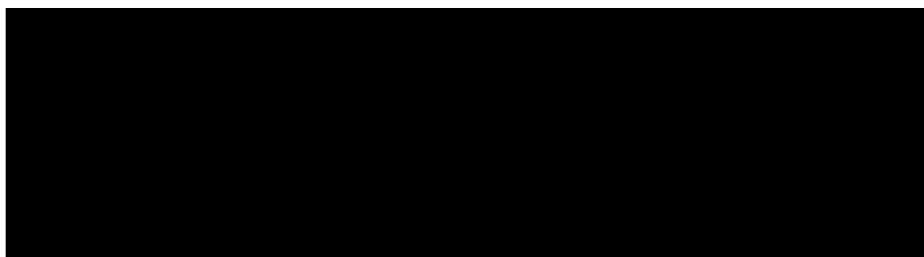


















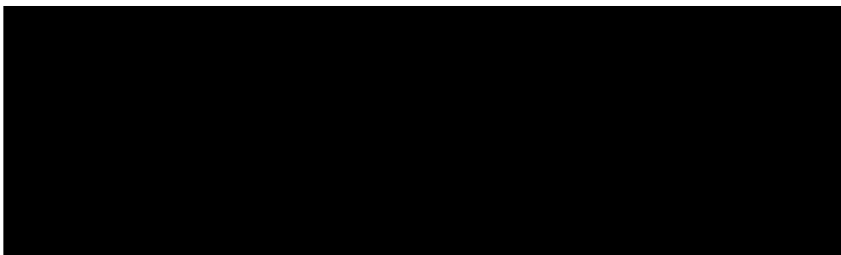




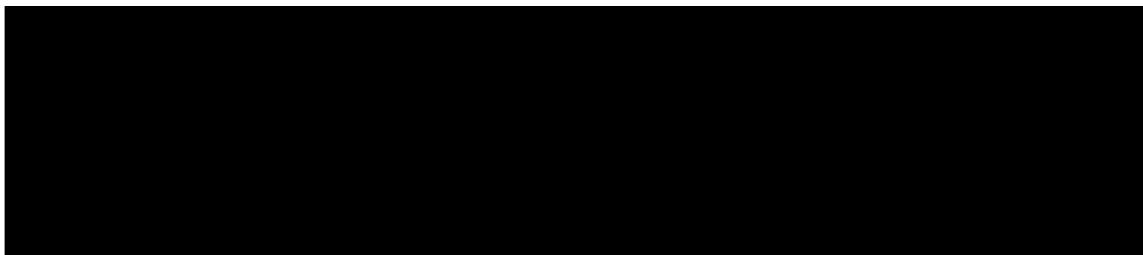
































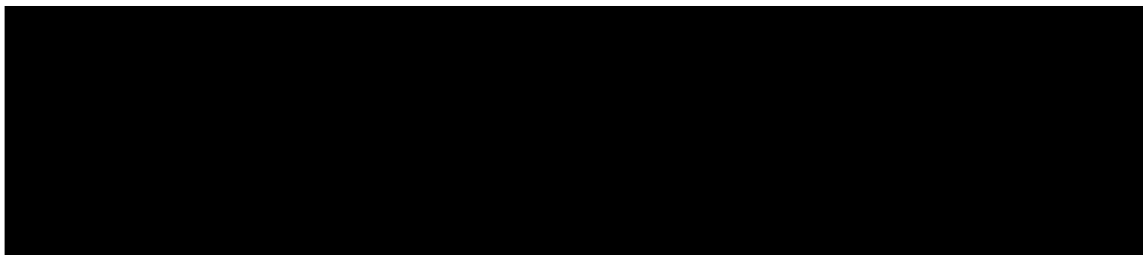






























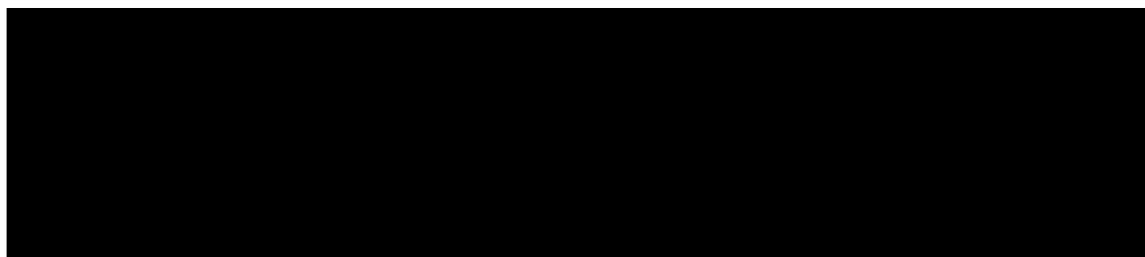








































































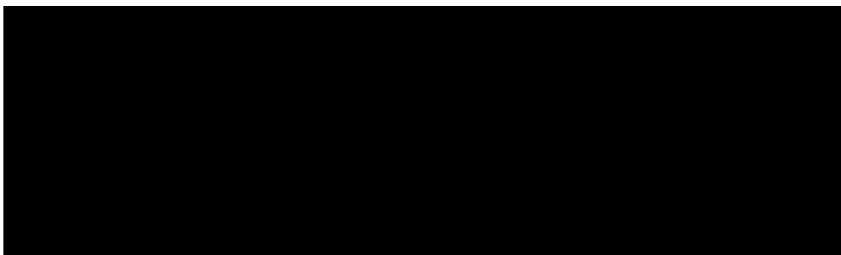














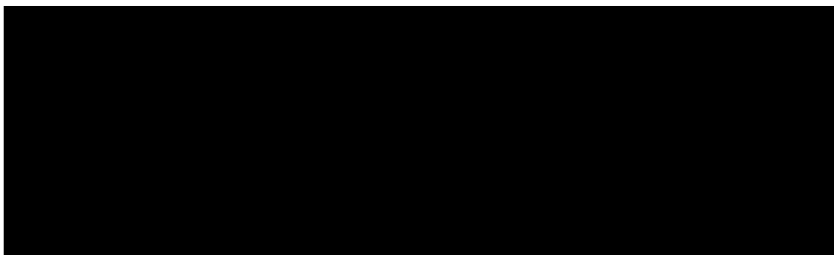












































































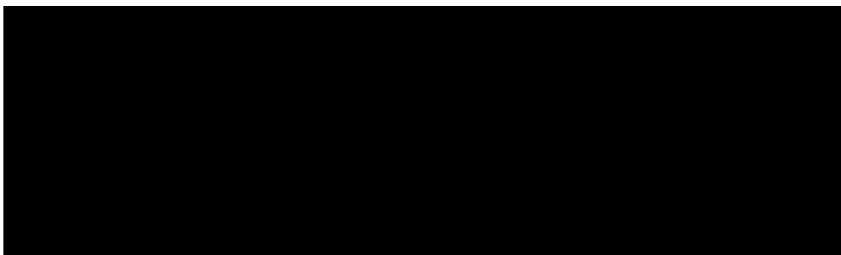






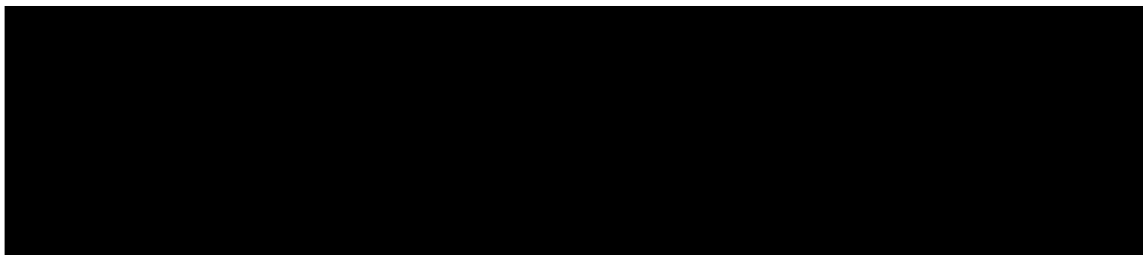








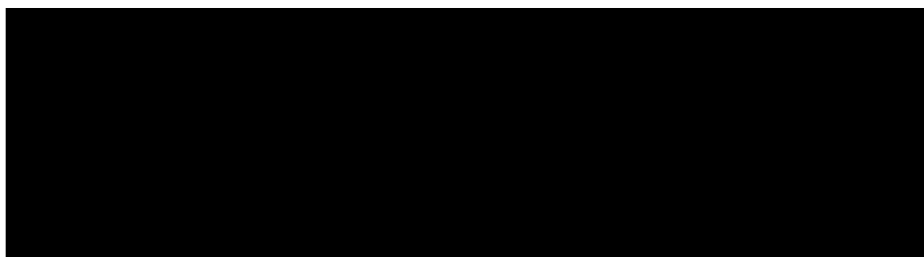










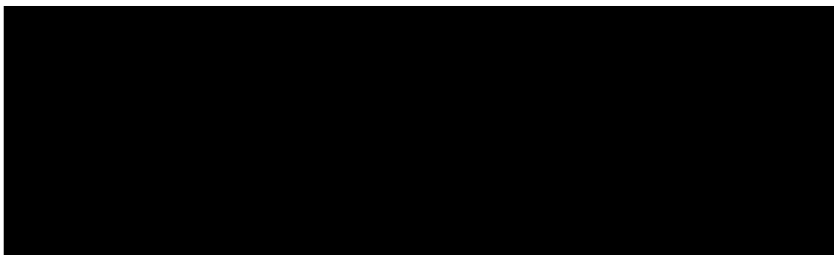








































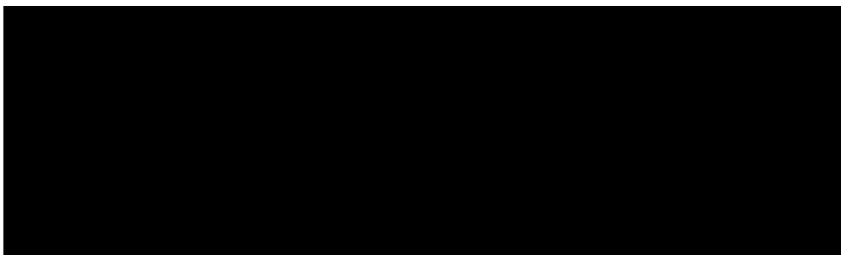












































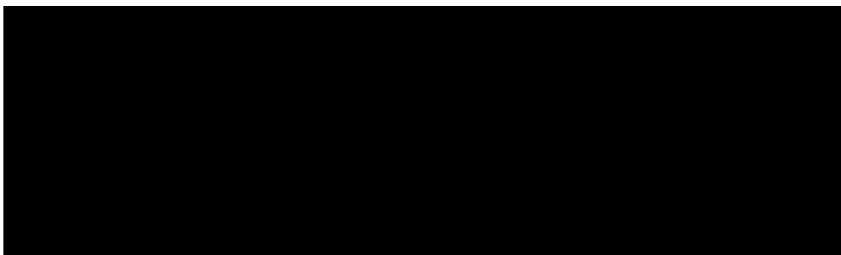










































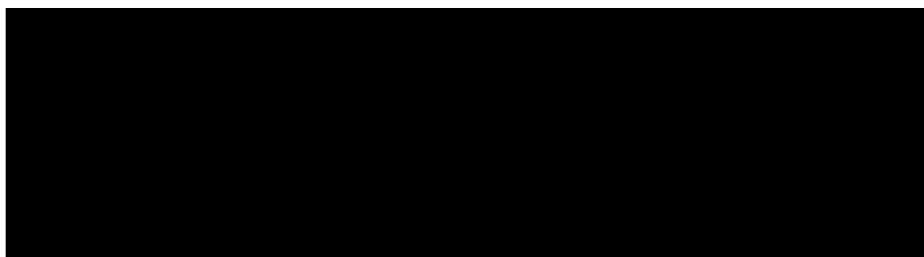












































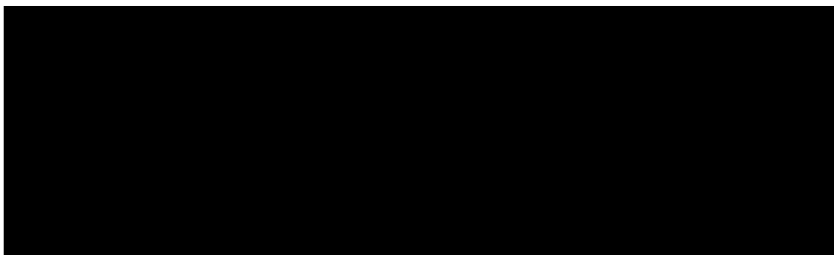


















































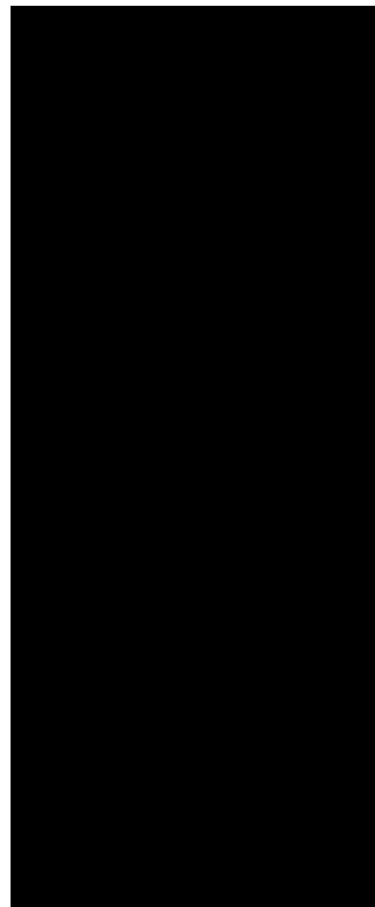








































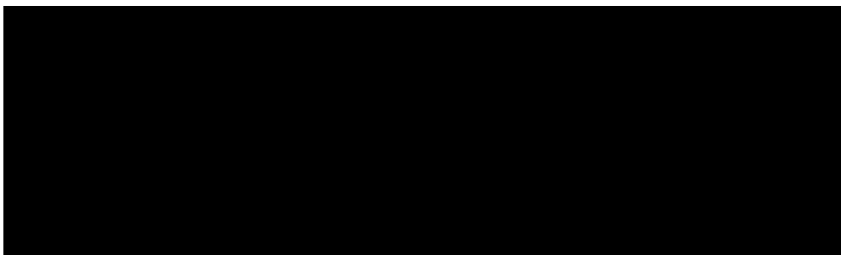
































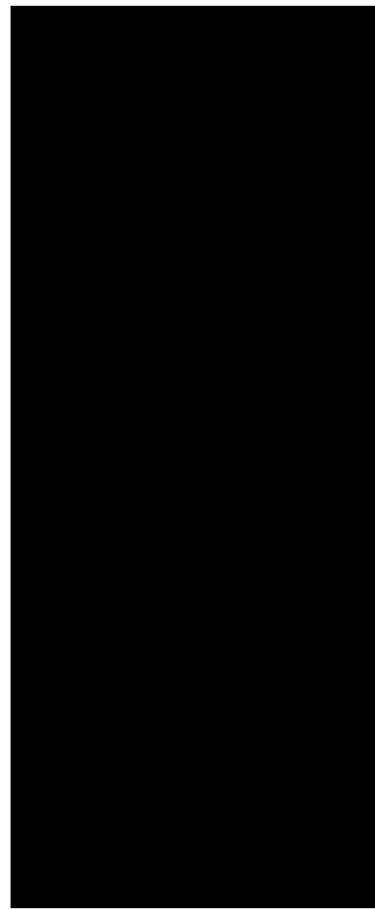




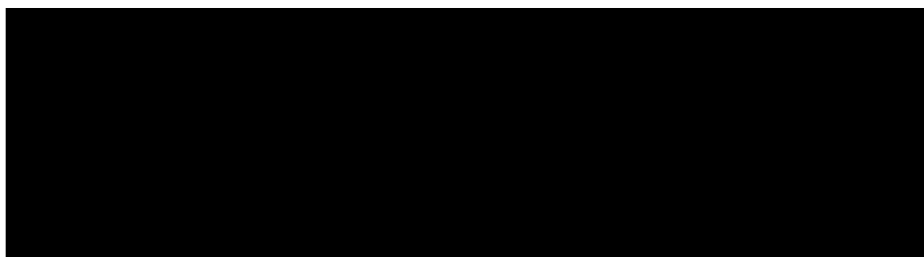






















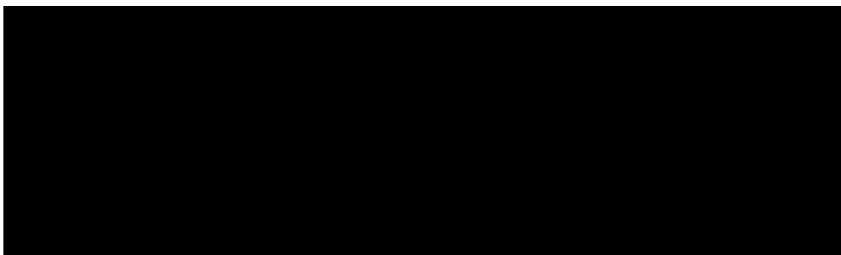






















































































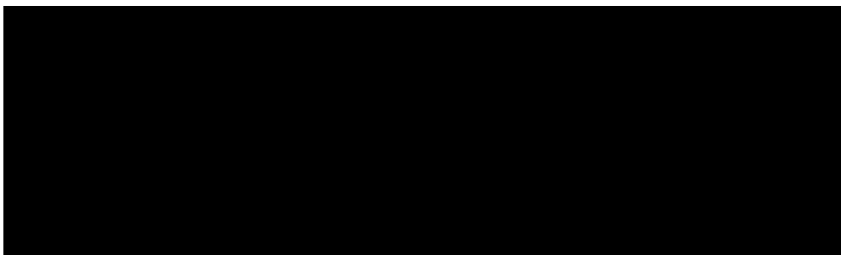




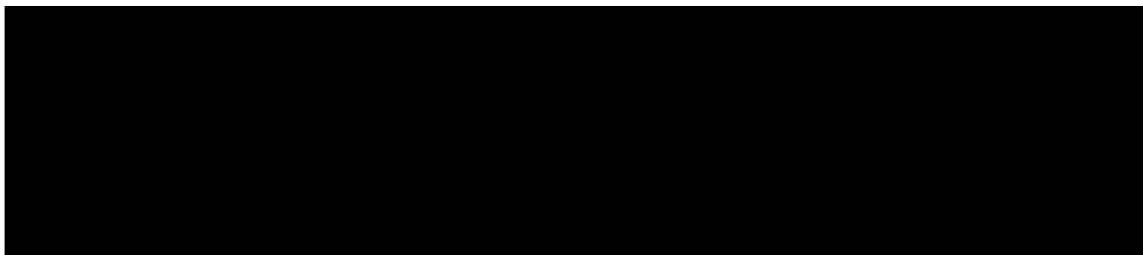


























































































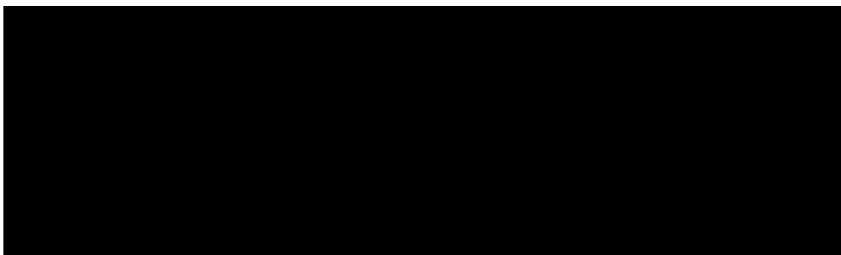






















































































































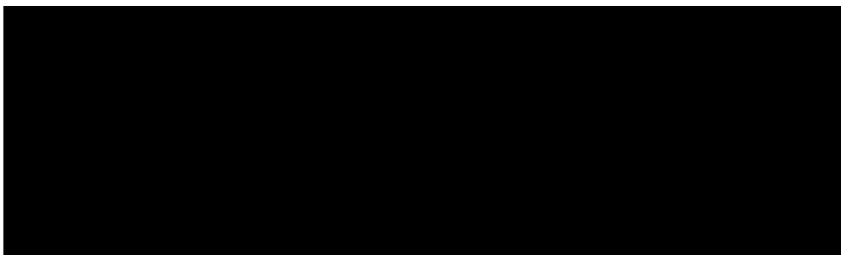




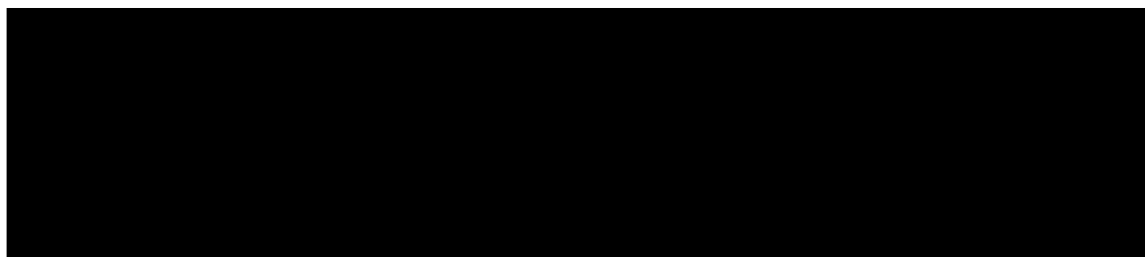
































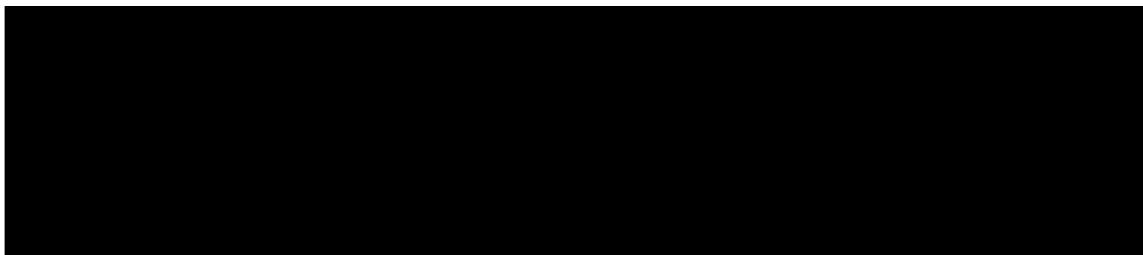






































































































































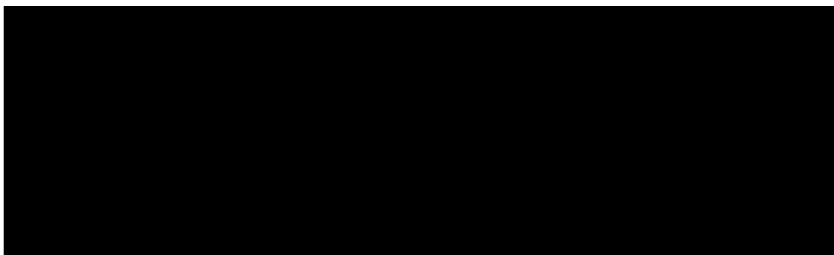










































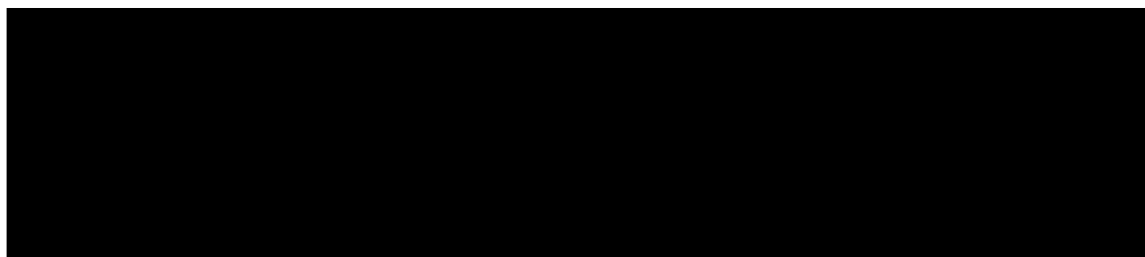








































































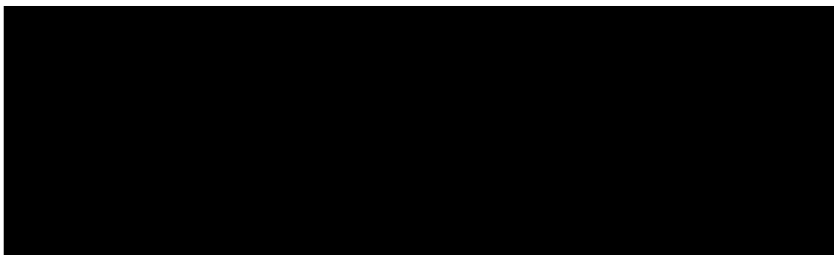




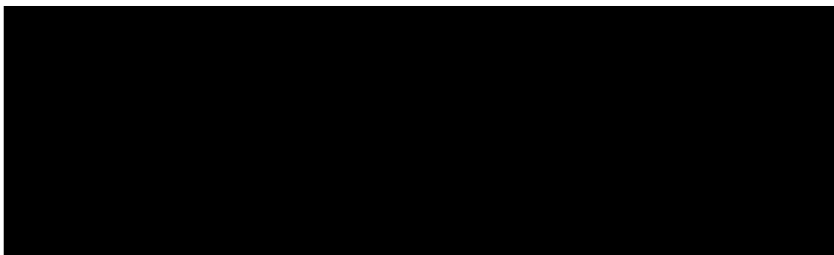


























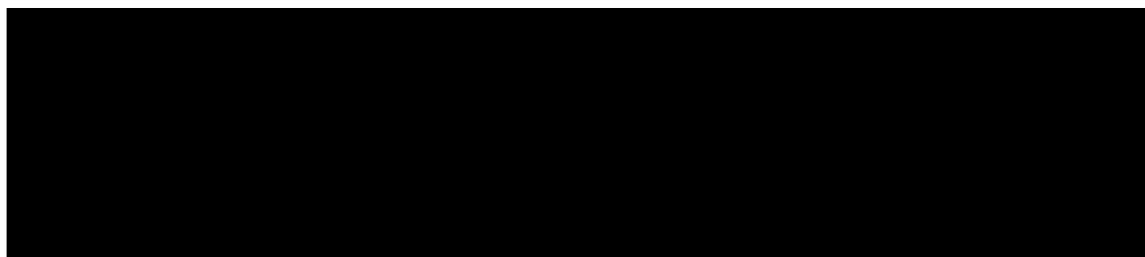






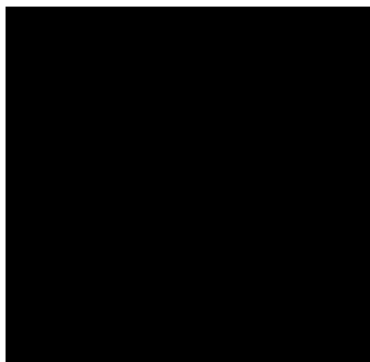












































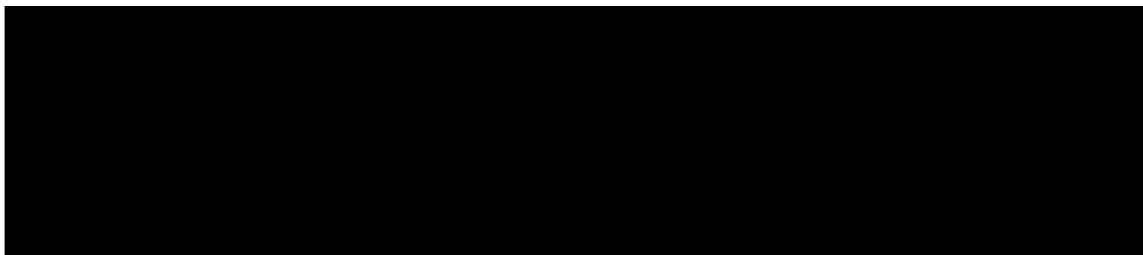




























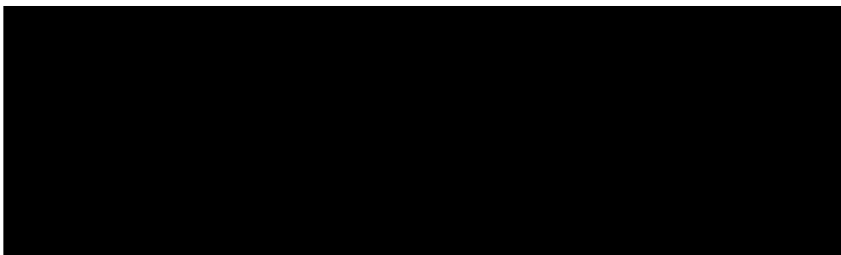






























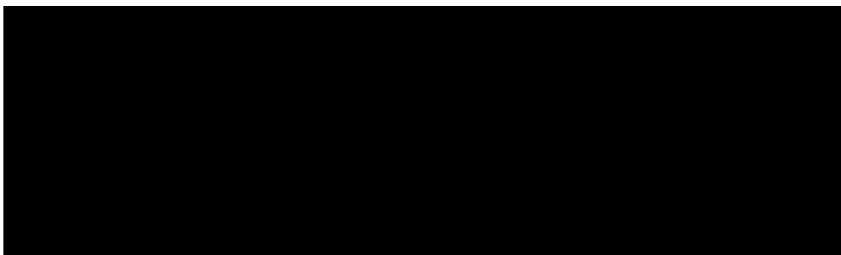






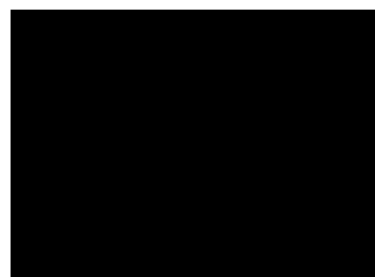


























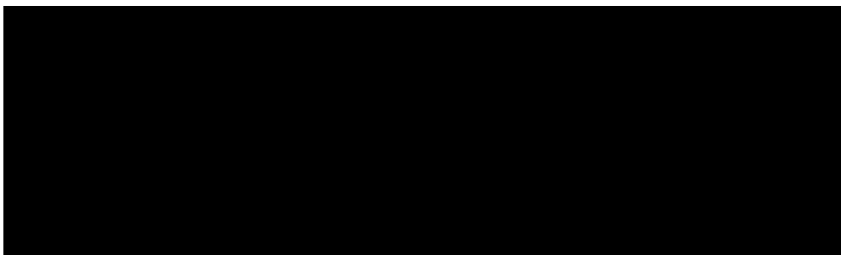




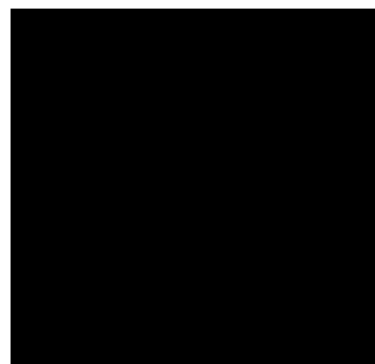
















































































































































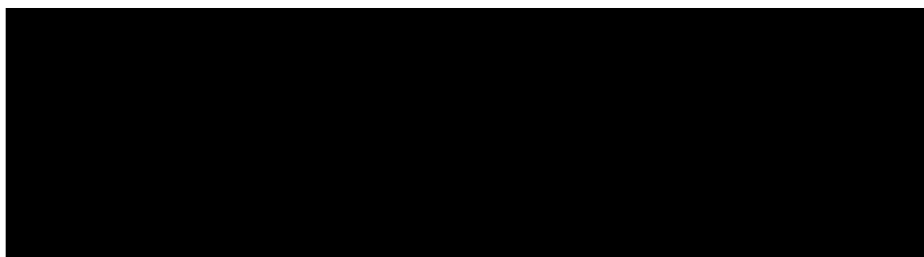






















































































































































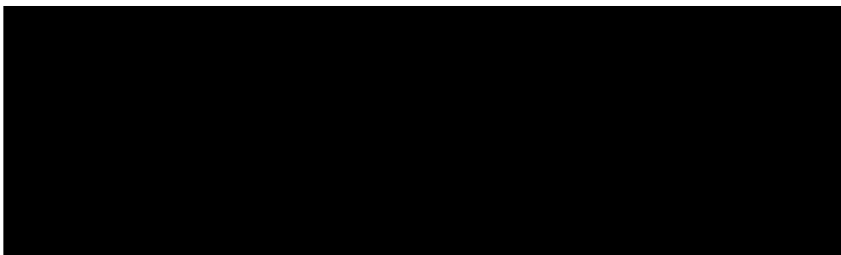




















































































































































































































































































































































































































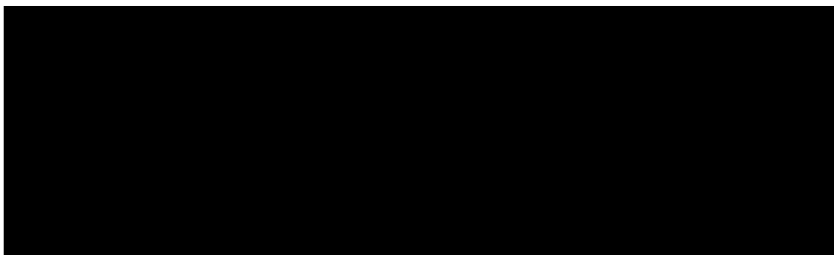






















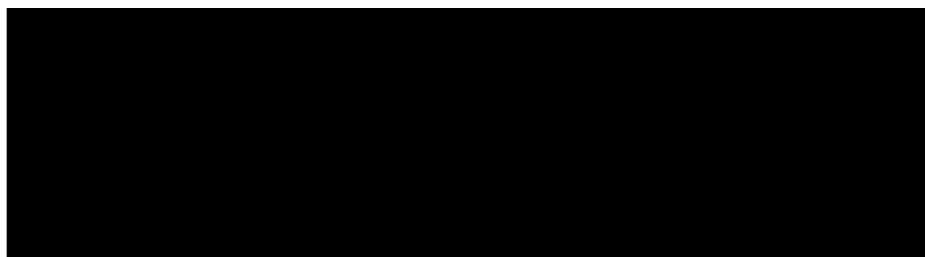


















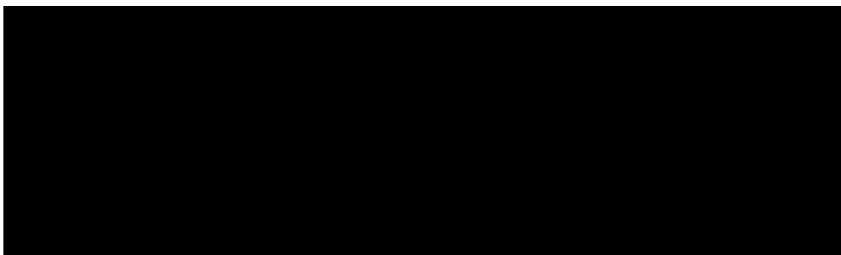






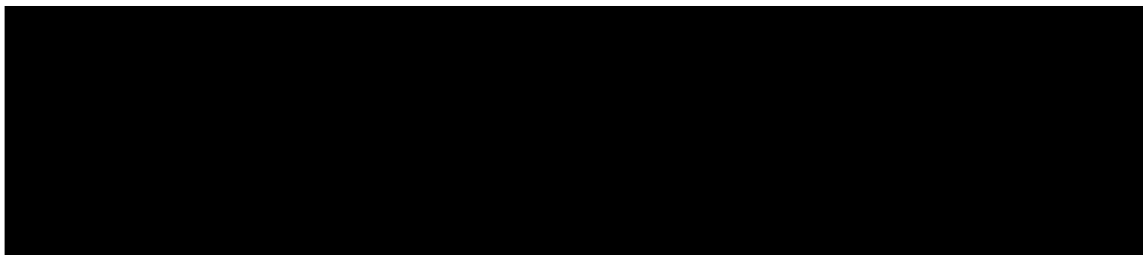






















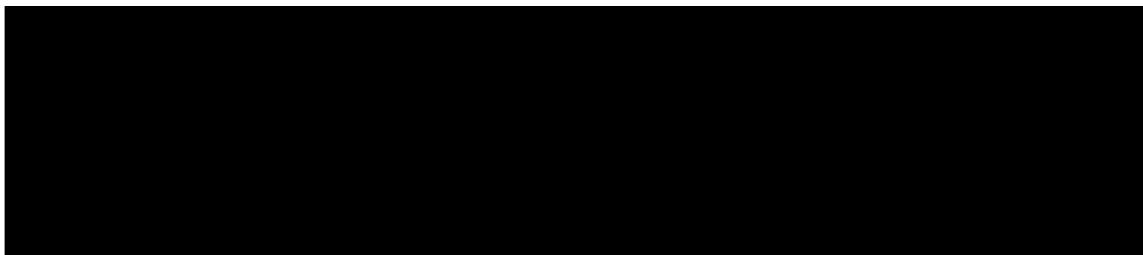




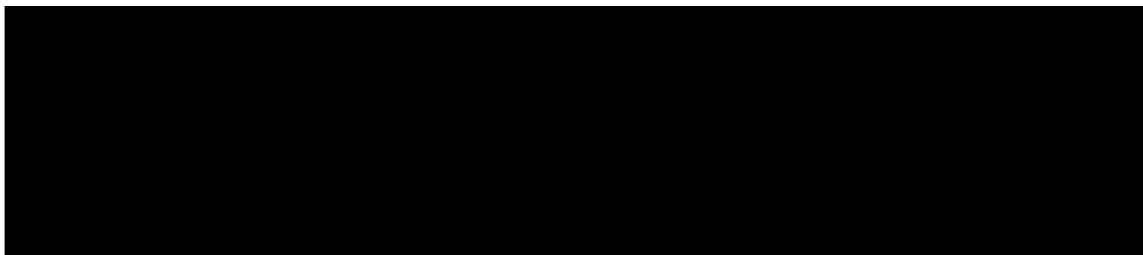




































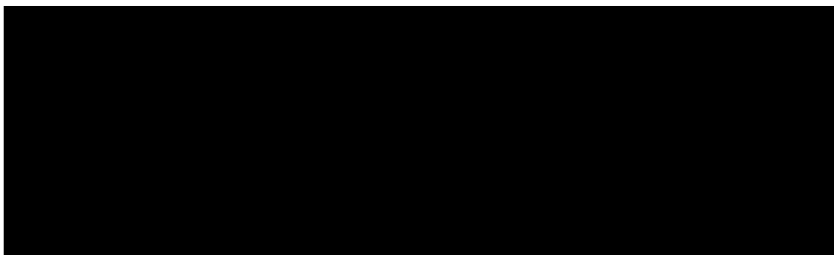














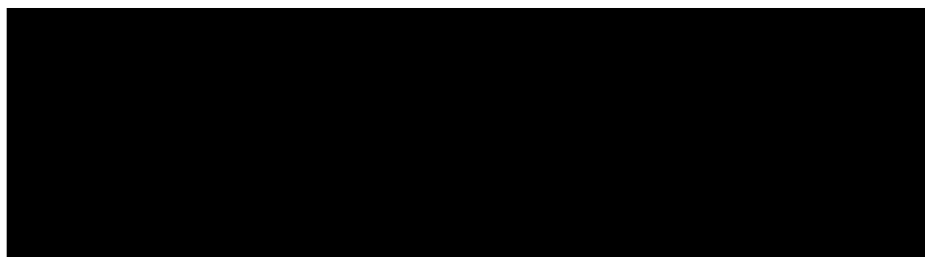








































































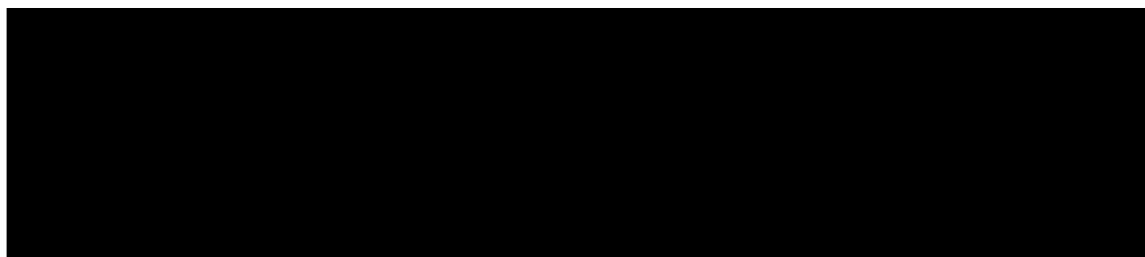




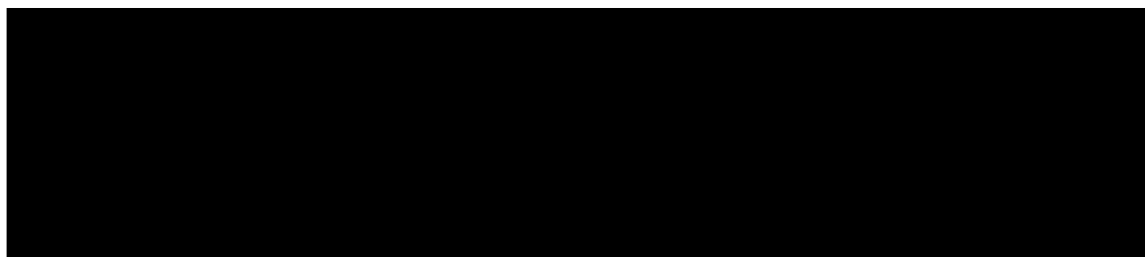






































































































































































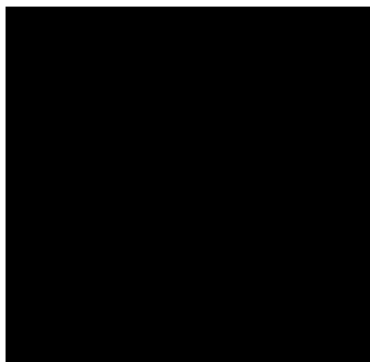










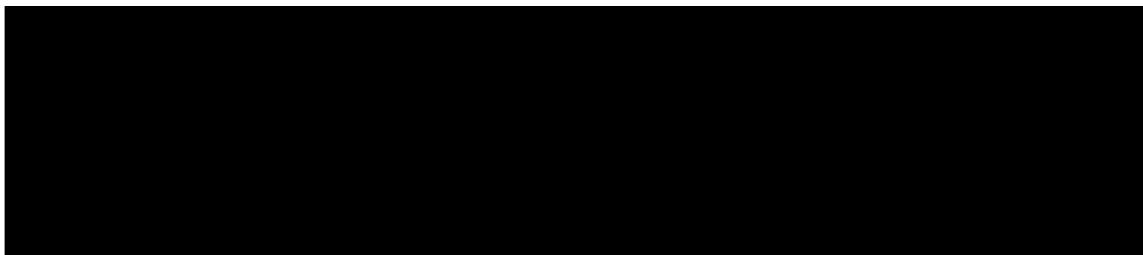














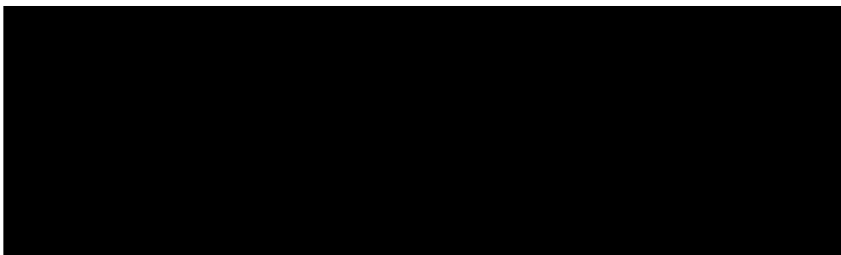








































































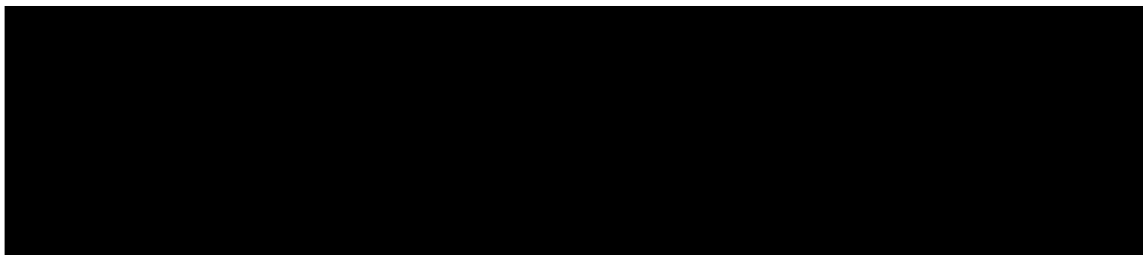
















































































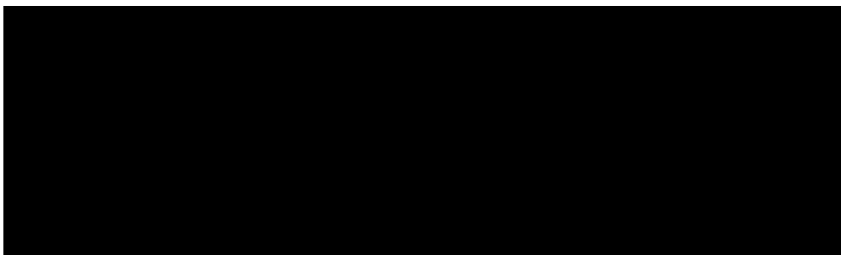
































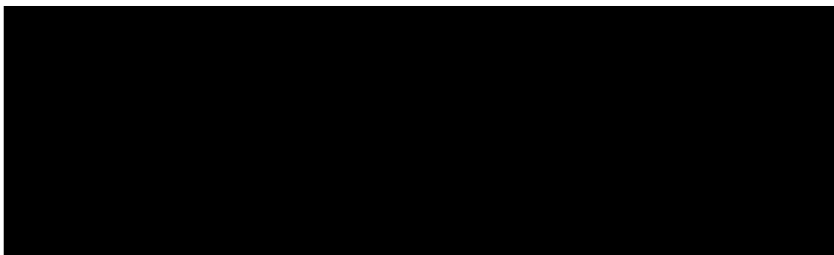


























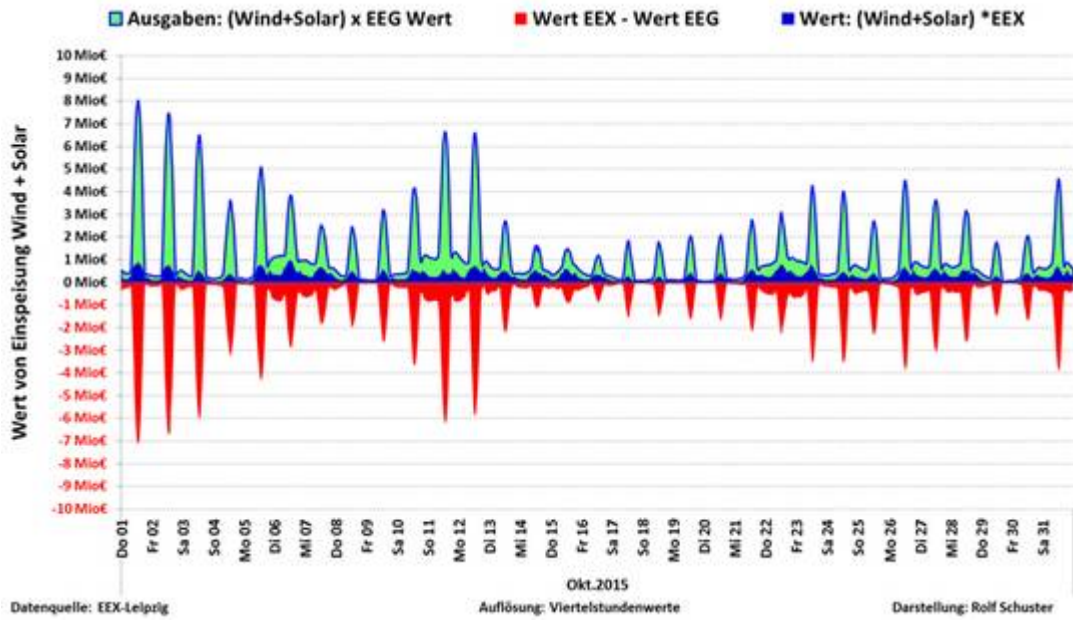
























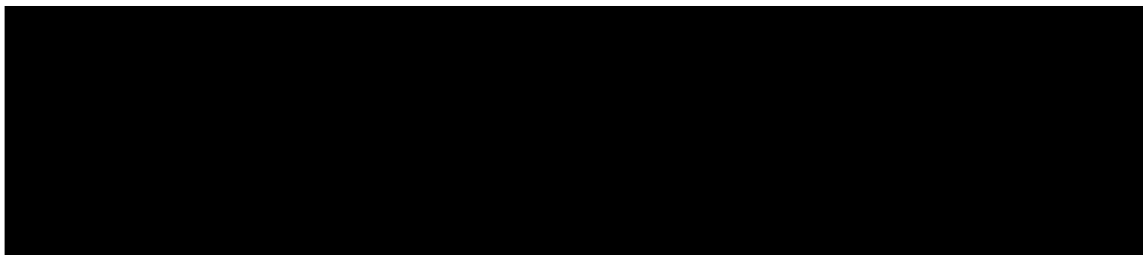
















































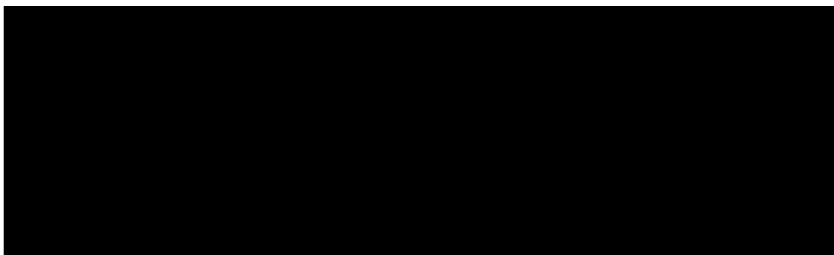






















































































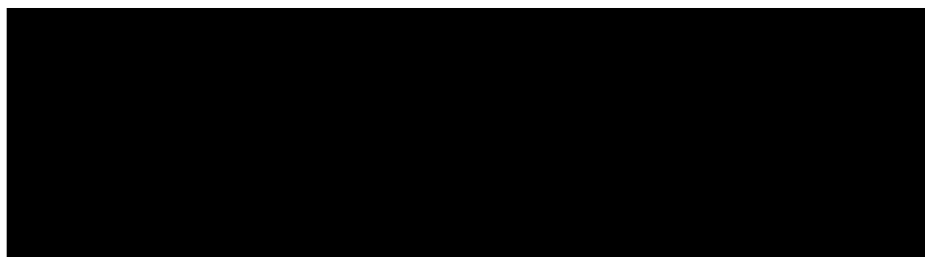




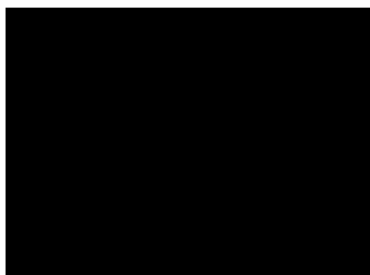
































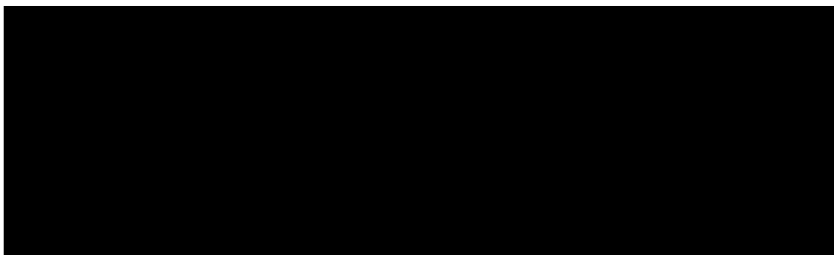














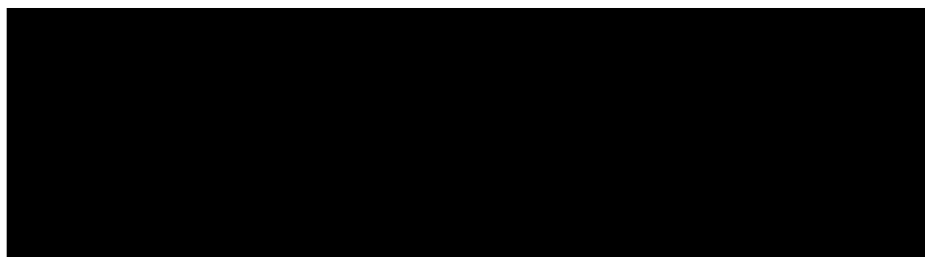






























<b>Okt.2015</b>	<b>Wind + Solar EEG-Wert</b>	<b>Wind + Solar Börsenwert EEX</b>	<b>Differenz EEX-Wert - EEG-Wert</b>	<b>EEX Preis</b>
Max / h	8.030.289,0 €	1.002.945,9 €		72,70 €/MWh
Mittel / h	1.245.754,8 €	294.685,9 €		38,96 €/MWh
Min /h	34.440,0 €	15.599,1 €		12,89 €/MWh
Summe Mon.	928.087.296,3 €	219.540.975,6 €	<b>-708.546.320,7 €</b>	















