

**LOTIC PROPER FUNCTIONING CONDITION (PFC)
STANDARD CHECKLIST**

Record ID No: _____

Stream: _____ Polygon: _____

Functional rating: _____

Apparent trend for Functional—At Risk: _____

Channel length (miles): _____

Polygon size (acres): _____



B9. Hydrologic unit code(s) (HUC) from the USGS National Hydrography Dataset (NHD): Record ID No: _____

HUC LEVELS: Region (2 digits; First Level HUC); Subregion (4 digits; Second Level HUC); Basin (6 digits; Third Level HUC); Subbasin (8 digits; Fourth Level HUC); Watershed (10 digits; Fifth Level HUC); and Subwatershed (12 digits; Sixth Level HUC)

HUC #1: _____
River Miles: _____
Percent of Stream Reach: _____
Region Name: _____
square miles: _____
Subregion Name: _____
square miles: _____
Basin Name: _____
square miles: _____
Subbasin Name: _____
square miles: _____
Watershed Name: _____
square miles: _____
Subwatershed Name: _____
acres: _____

HUC #2: _____
River Miles: _____
Percent of Stream Reach: _____
Region Name: _____
square miles: _____
Subregion Name: _____
square miles: _____
Basin Name: _____
square miles: _____
Subbasin Name: _____
square miles: _____
Watershed Name: _____
square miles: _____
Subwatershed Name: _____
acres: _____

HUC #3: _____
River Miles: _____
Percent of Stream Reach: _____
Region Name: _____
square miles: _____
Subregion Name: _____
square miles: _____
Basin Name: _____
square miles: _____
Subbasin Name: _____
square miles: _____
Watershed Name: _____
square miles: _____
Subwatershed Name: _____
acres: _____

HUC #4: _____
River Miles: _____
Percent of Stream Reach: _____
Region Name: _____
square miles: _____
Subregion Name: _____
square miles: _____
Basin Name: _____
square miles: _____
Subbasin Name: _____
square miles: _____
Watershed Name: _____
square miles: _____
Subwatershed Name: _____
acres: _____

HUC #5: _____
River Miles: _____
Percent of Stream Reach: _____
Region Name: _____
square miles: _____
Subregion Name: _____
square miles: _____
Basin Name: _____
square miles: _____
Subbasin Name: _____
square miles: _____
Watershed Name: _____
square miles: _____
Subwatershed Name: _____
acres: _____

HUC #6: _____
River Miles: _____
Percent of Stream Reach: _____
Region Name: _____
square miles: _____
Subregion Name: _____
square miles: _____
Basin Name: _____
square miles: _____
Subbasin Name: _____
square miles: _____
Watershed Name: _____
square miles: _____
Subwatershed Name: _____
acres: _____

SELECTED SUMMARY DATA

Record ID No: _____

- C1.** Wetland type: _____ **C2.** Polygon size (ac): _____ ; (hect): _____
- C3a.** Is the entire polygon an upland? (Yes; No): _____ **If No, C3b.** Does the polygon consist entirely of functional wetland types? (Yes; No): _____ **C3c.** Functional wetland (ac): _____ ; (hect): _____ **C3d.** Percent of total polygon: _____
- C4.** Does the polygon contain a defined streambank or channel? (Yes; No; NC): _____
- C5.** Channel length (mi): _____ ; (km): _____ **C6.** Number of river miles the polygon represents: (mi): _____ ; (km): _____
- C7a.** Average riparian zone width (ft): _____ ; (m): _____
- C7b.** Riparian zone width range (ft): _____ to _____ ; (m): _____ to _____
- C8.** Level 1 stream geomorphic characterization (NC = not collected): _____ Stream Type _____

LOTIC PROPER FUNCTIONING CONDITION (PFC) STANDARD CHECKLIST
HYDROLOGY

_____	1. Floodplain above bankfull is inundated in "relatively frequent" events
_____	2. Where beaver dams are present they are active and stable
_____	3. Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
_____	4. Riparian-wetland area is widening or has achieved potential extent
_____	5. Upland watershed not contributing to riparian-wetland degradation

VEGETATION

_____	6. There is diverse age-class distribution of riparian-wetland vegetation (recruitment for maintenance/recovery)
_____	7. There is diverse composition of riparian-wetland vegetation (for maintenance/recovery)
_____	8. Species present indicate maintenance of riparian-wetland soil moisture characteristics
_____	9. Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
_____	10. Riparian-wetland plants exhibit high vigor

List the top five plant species (in terms of canopy cover) in the four lifeforms (trees, shrubs, graminoids, and ferns and allies). Also estimate the canopy cover of these species within the polygon, the duration (i.e., perennial, biennial, annual), native or introduced, and wetland status (UPL, FACU, FAC, FACW, OBL).

TREES

6 Letter Code	Scientific Name (Common Name)	Canopy Cover (%)	Duration	Native/ Introduced	Wetland Status

SHRUBS

6 Letter Code	Scientific Name (Common Name)	Canopy Cover (%)	Duration	Native/ Introduced	Wetland Status

GRAMINOIDS

6 Letter Code	Scientific Name (Common Name)	Canopy Cover (%)	Duration	Native/ Introduced	Wetland Status

FORBS/FERNS AND ALLIES

6 Letter Code	Scientific Name (Common Name)	Canopy Cover (%)	Duration	Native/ Introduced	Forbs or Ferns Allies	Wetland Status

PHOTOGRAPH DATA

Photographer(s): _____

D1. Identification of photos taken at the *Upstream End of Polygon:*

		Deg	Min	Sec	N/S	Decimal		Deg	Min	Sec	E/W	Decimal
Photo Location:	Lat:	_____	_____	_____	_____	_____	Lon:	_____	_____	_____	_____	_____

Photo Direction (degrees): _____

Photo nos.: (**Looking Upstream**): _____

Photo Description (If necessary): (**Looking Upstream**):

Photo nos.: (**Looking Downstream**): _____

Photo Description (If necessary): (**Looking Downstream**):

D2. Identification of photos taken at *Downstream End of Polygon:*

		Deg	Min	Sec	N/S	Decimal		Deg	Min	Sec	E/W	Decimal
Photo Location:	Lat:	_____	_____	_____	_____	_____	Lon:	_____	_____	_____	_____	_____

Photo Direction (degrees): _____

Photo nos.: (**Looking Upstream**): _____

Photo Description (If necessary): (**Looking Upstream**):

Photo nos.: (**Looking Downstream**): _____

Photo Description (If necessary): (**Looking Downstream**):

D3. Additional Locations: (Lat/Lon DMS and Decimal Degrees [WGS 84]; Observer Initial and Waypoint Number)

Observer
Initial
& WPT

Location #1: Lat: _____ Lon: _____

Photo Direction at **Location #1** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #1**): _____

Photo Direction at **Location #1** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #1**): _____

Photo Direction at **Location #1** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #1**): _____

Photo Direction at **Location #1** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #1**): _____

Location #2: Lat: _____ Lon: _____

Photo Direction at **Location #2** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #2**): _____

Photo Direction at **Location #2** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #2**): _____

Photo Direction at **Location #2** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #2**): _____

Photo Direction at **Location #2** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #2**): _____

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Photo Direction at **Location #3** (degrees): _____

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Photo Description (If necessary): (**Location #3**): _____

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Photo Direction at **Location #4** (degrees): _____

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Photo Direction at **Location #5** (degrees): _____

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Photo Description (If necessary): (**Location #5**): _____

Photo Direction at **Location #5** (degrees): _____

Photo Numbers: _____

Photo Description (If necessary): (**Location #5**): _____

Location #6: Lat: _____ Lon: _____

Photo Direction at **Location #6** (degrees): _____

Photo Numbers: _____

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Photo Description (If necessary): (**Location #6**): _____

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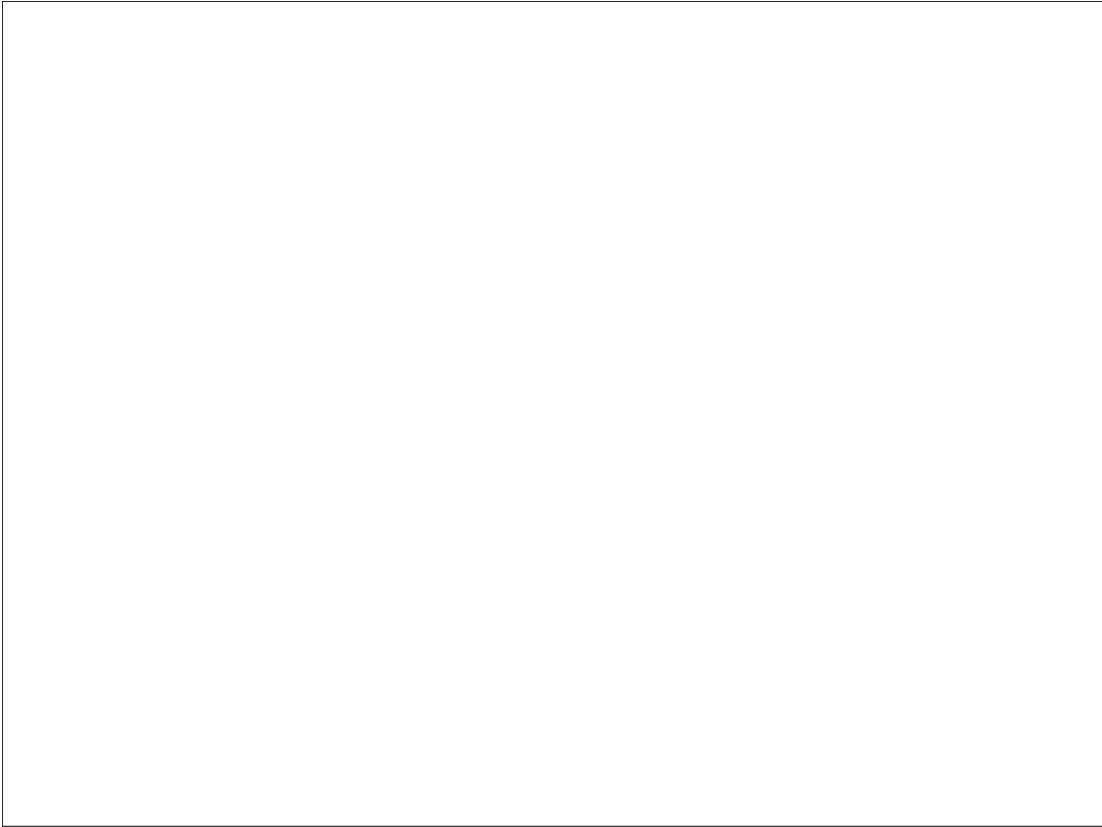
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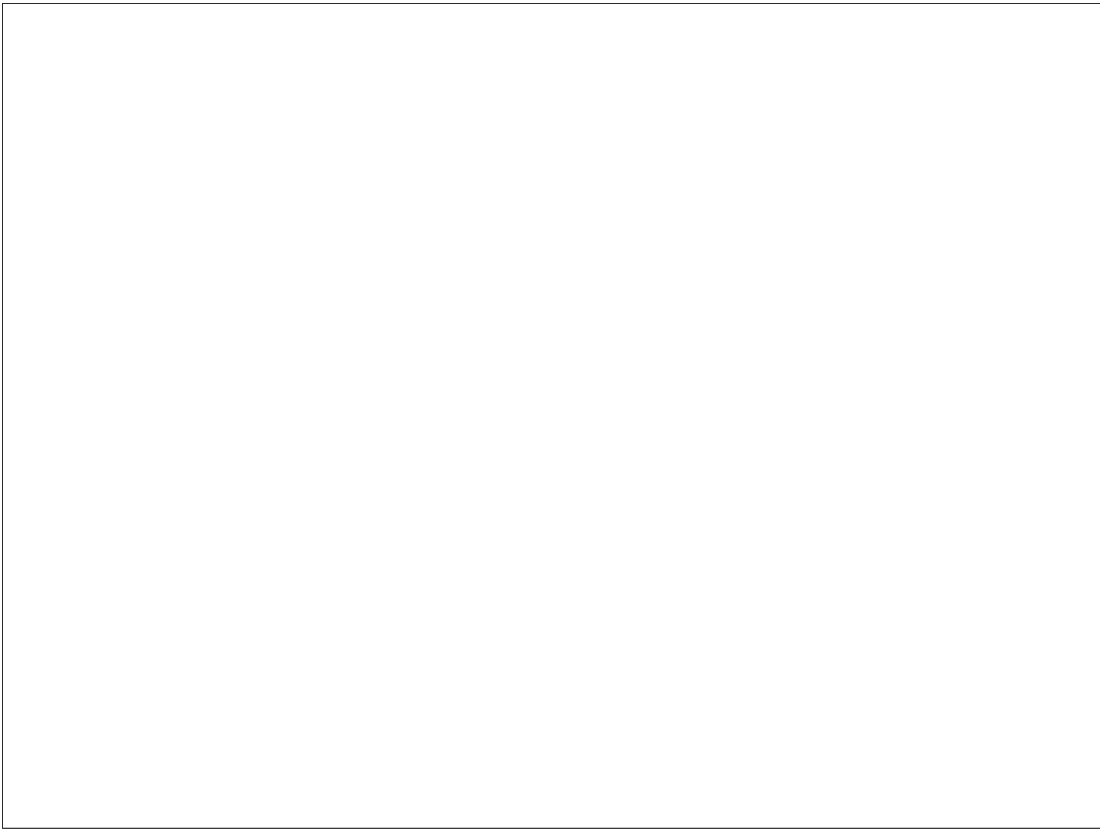
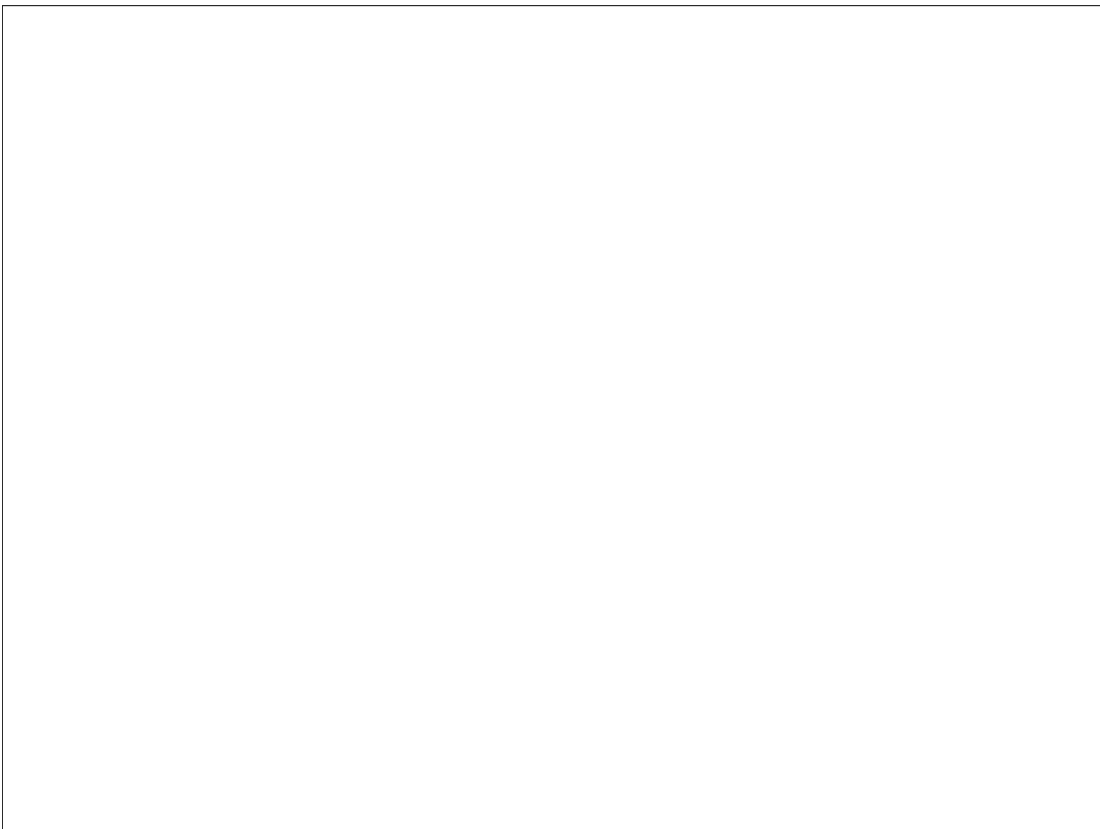
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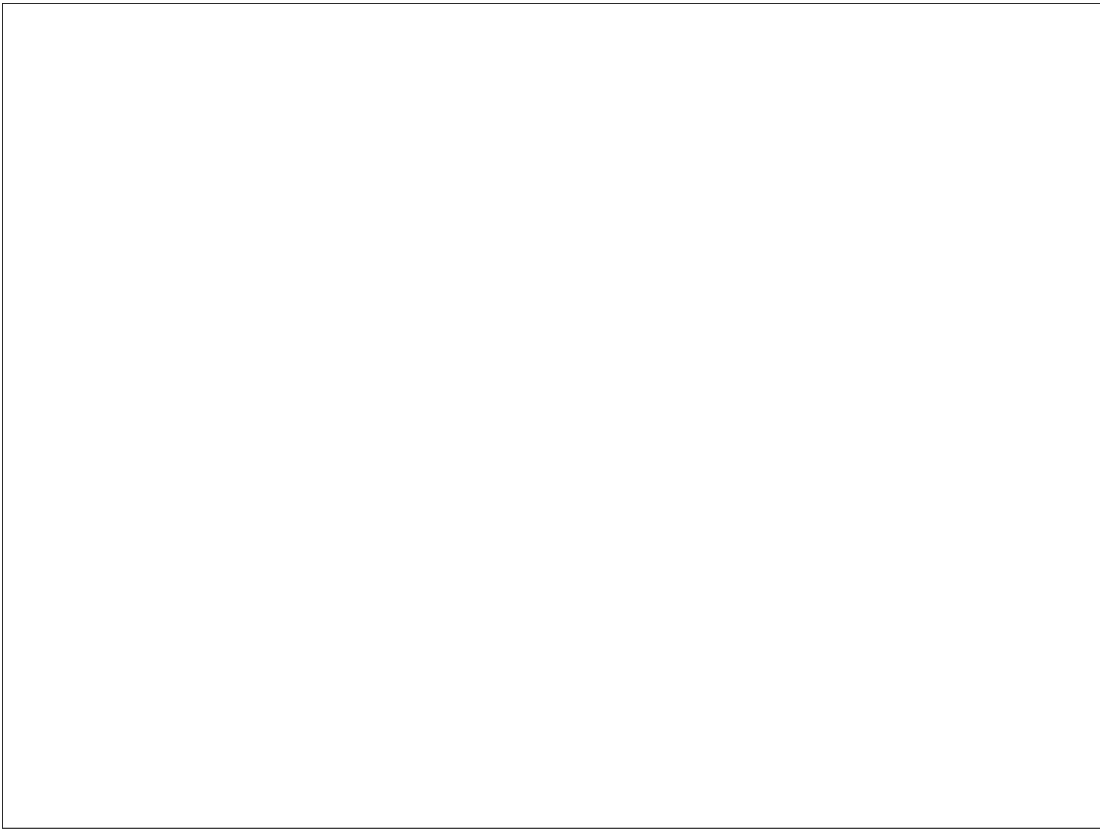
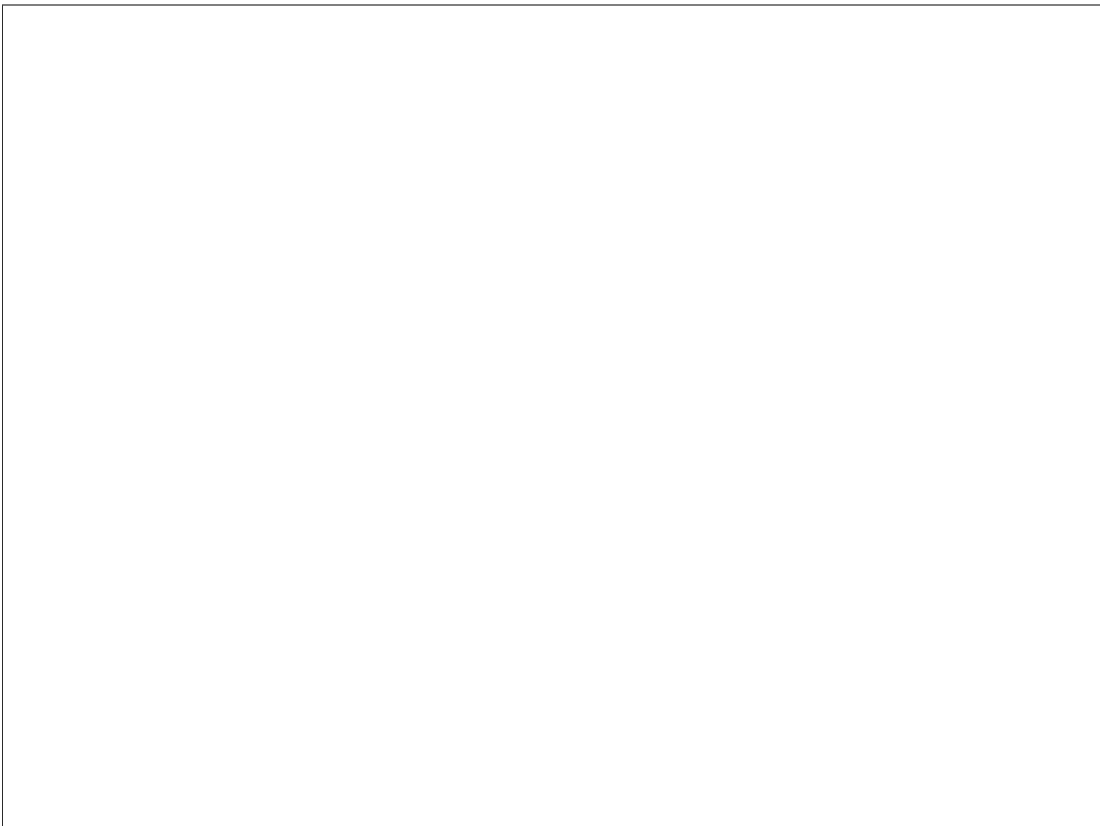
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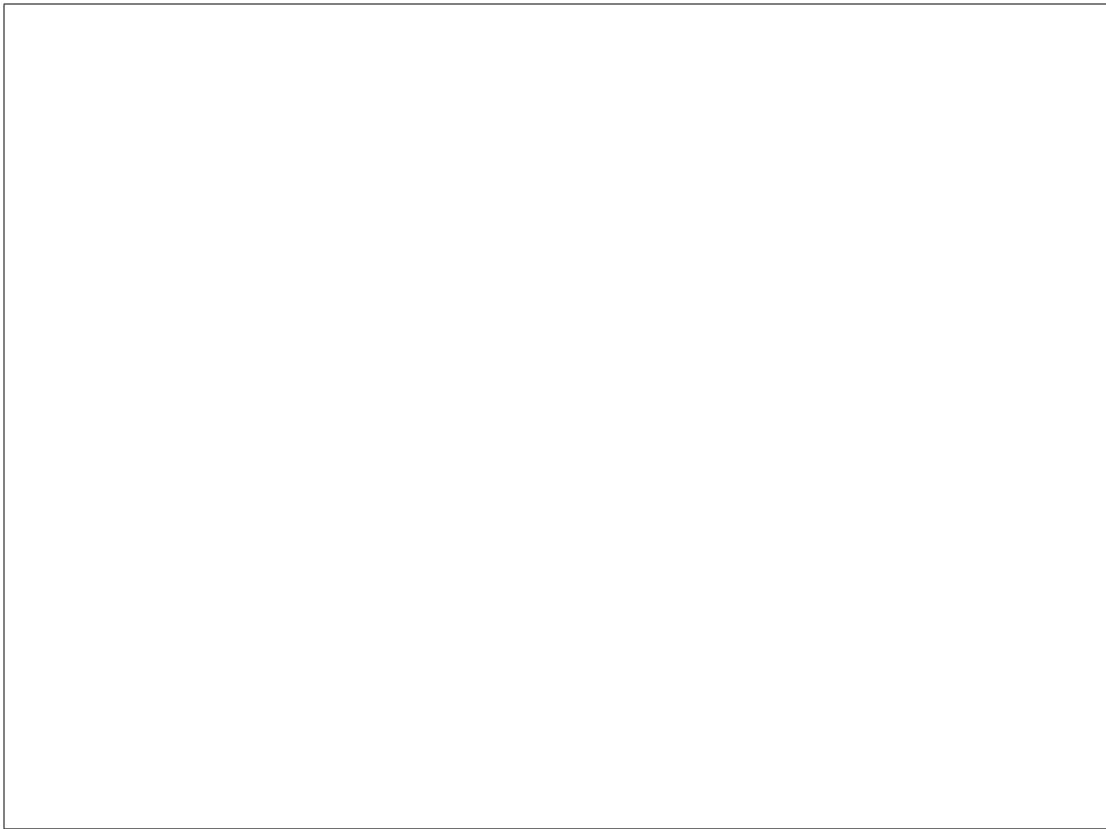
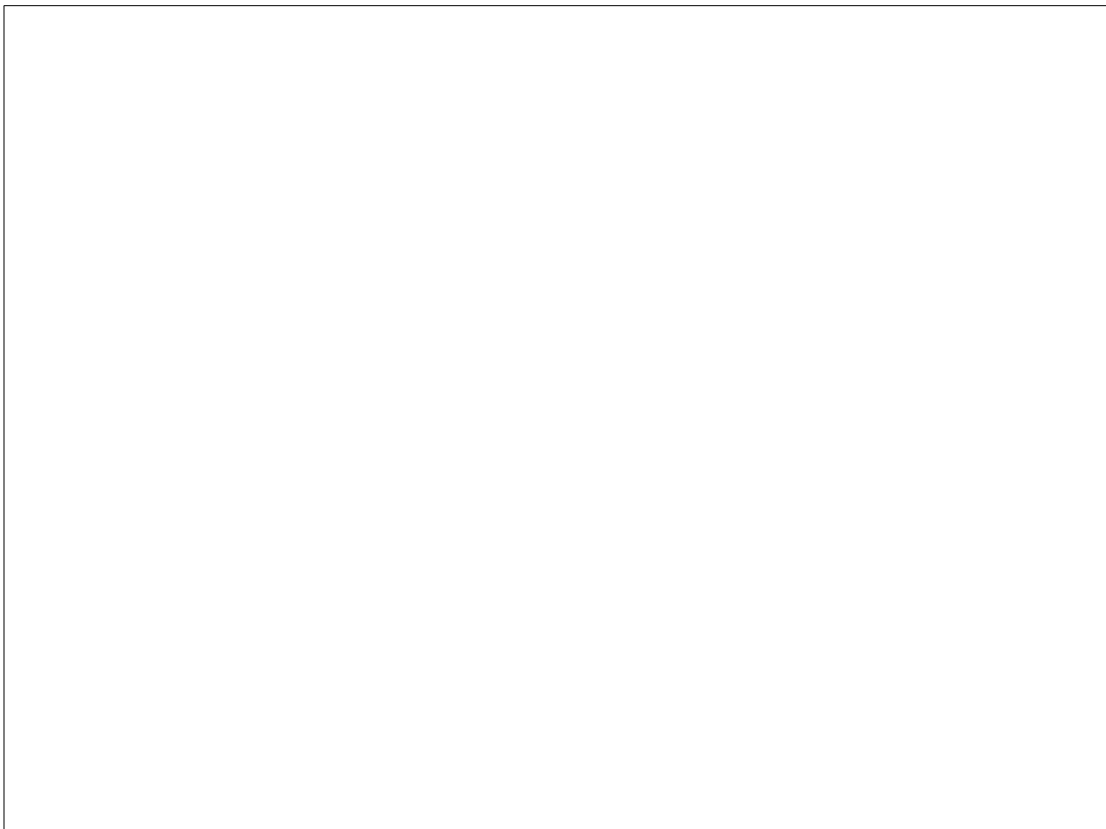
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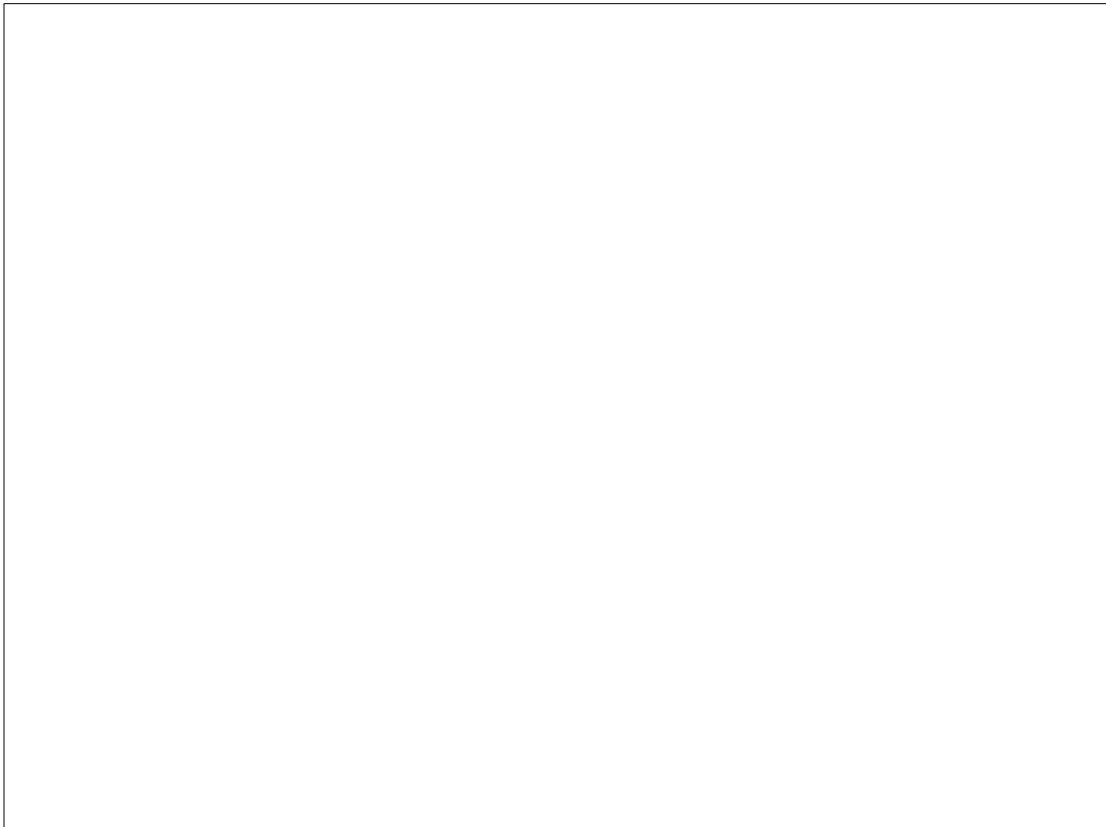
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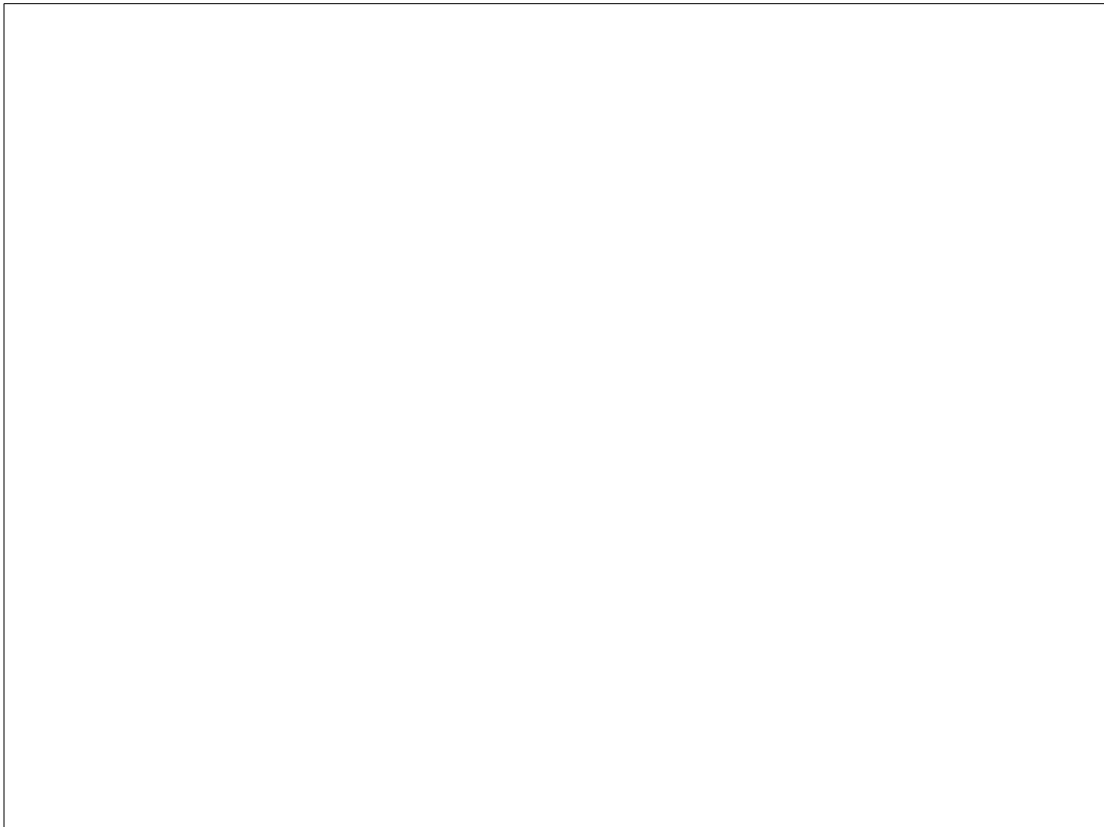
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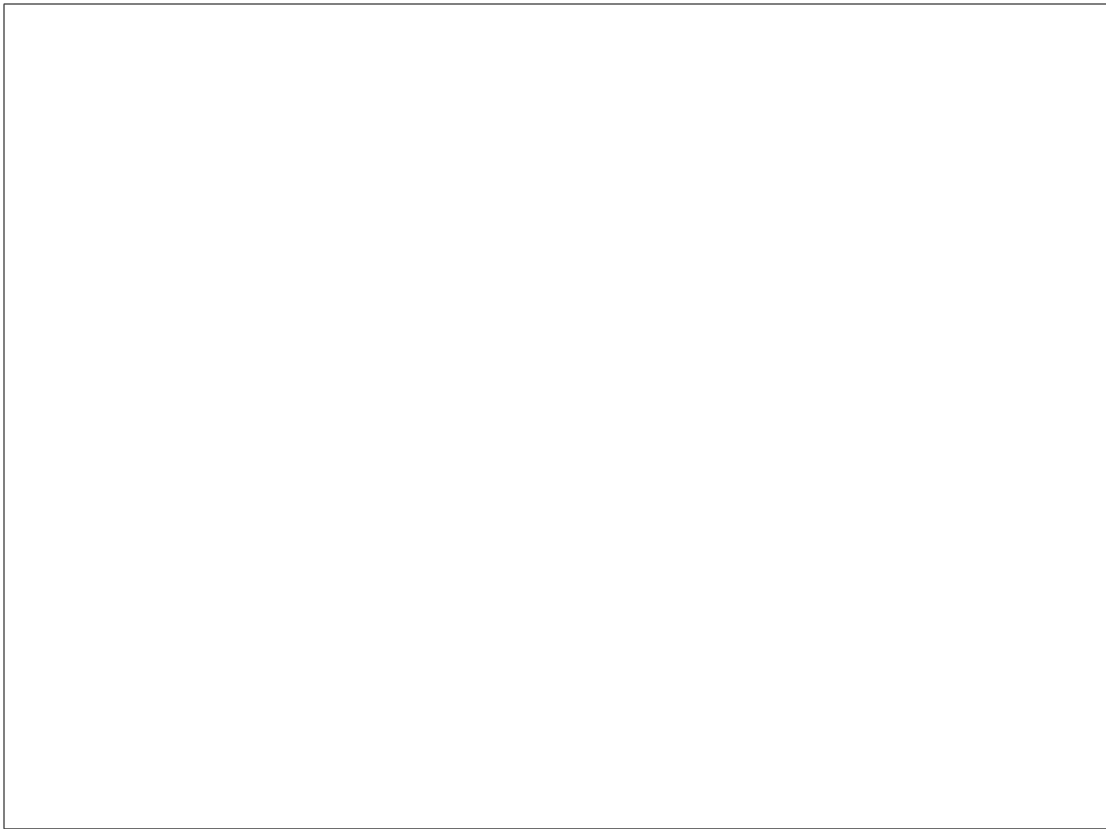
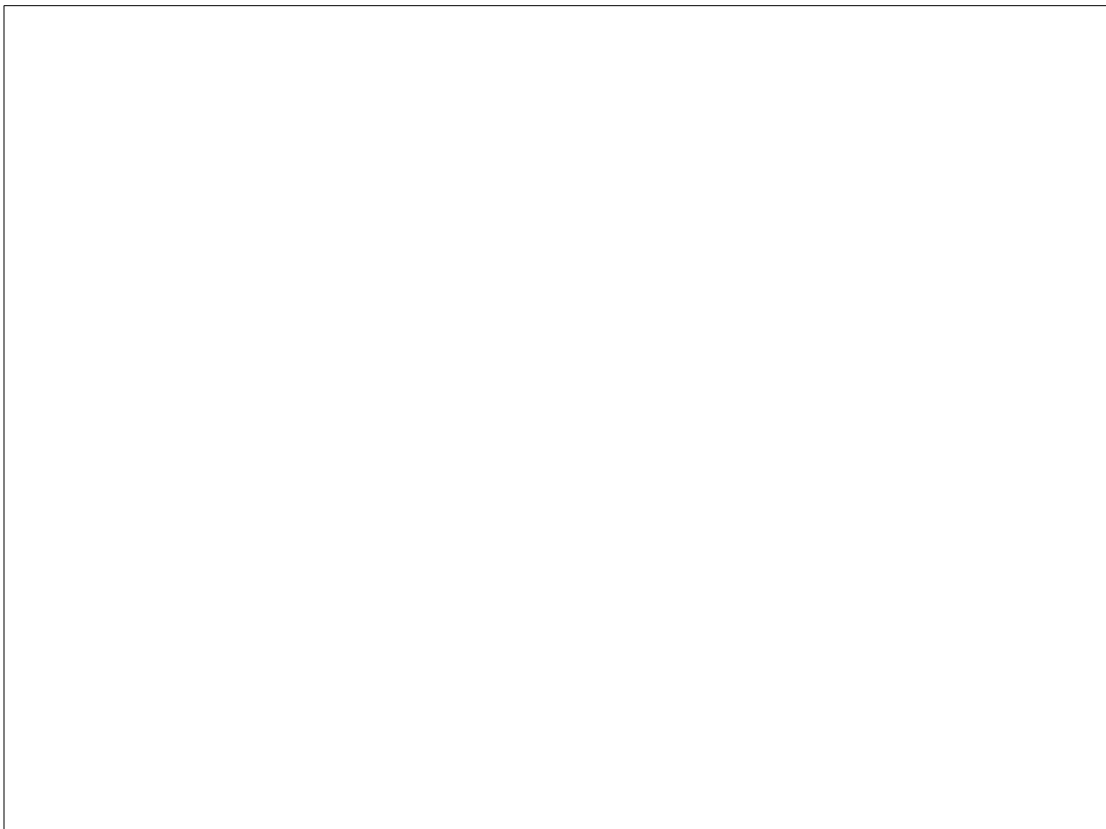
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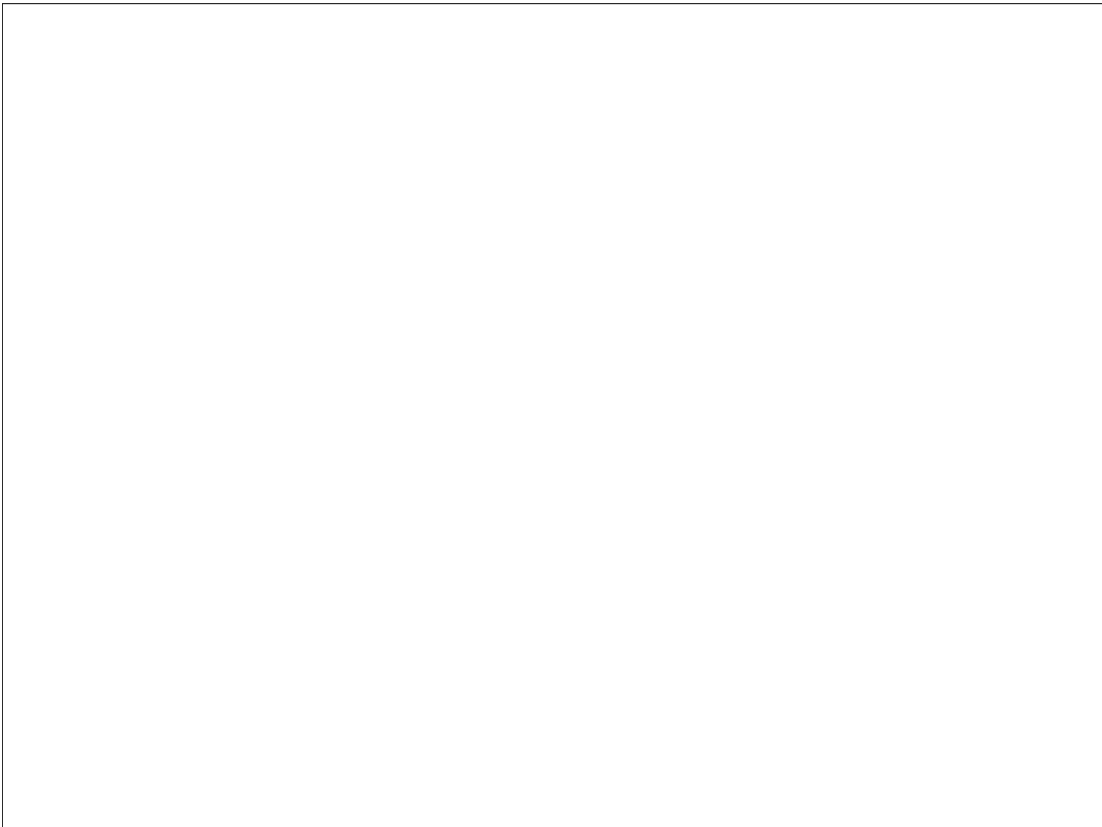
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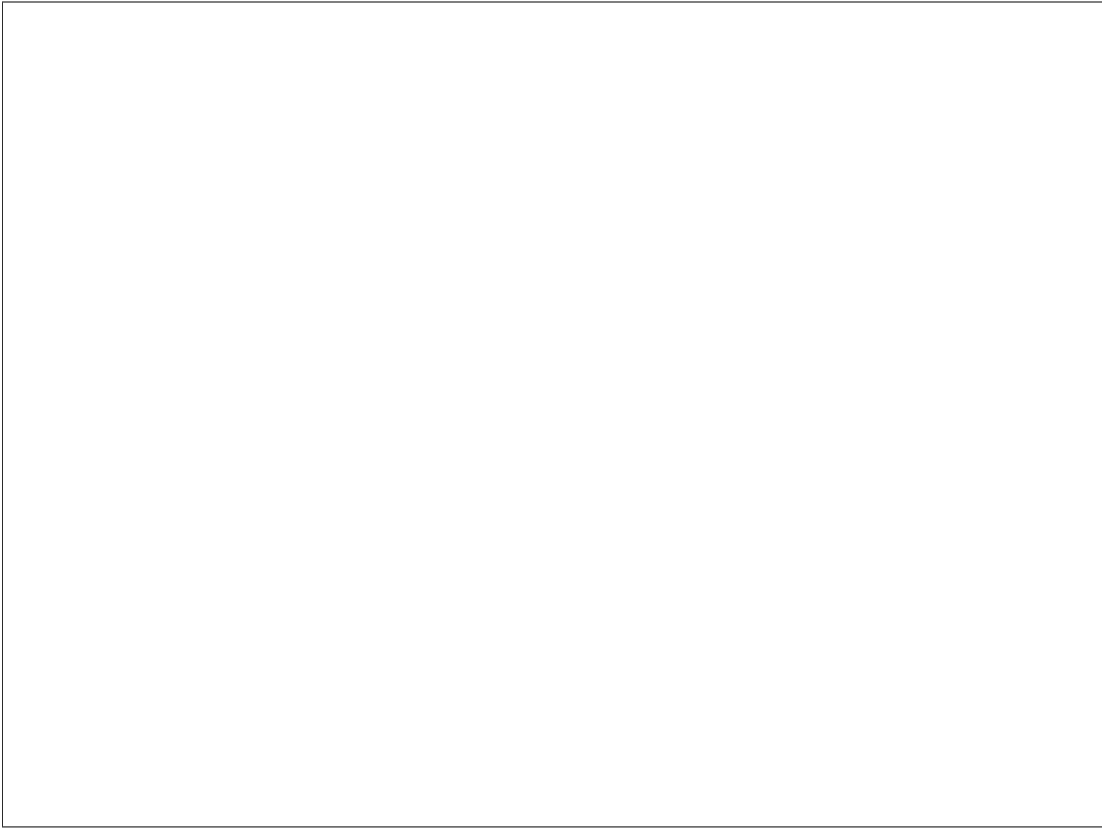
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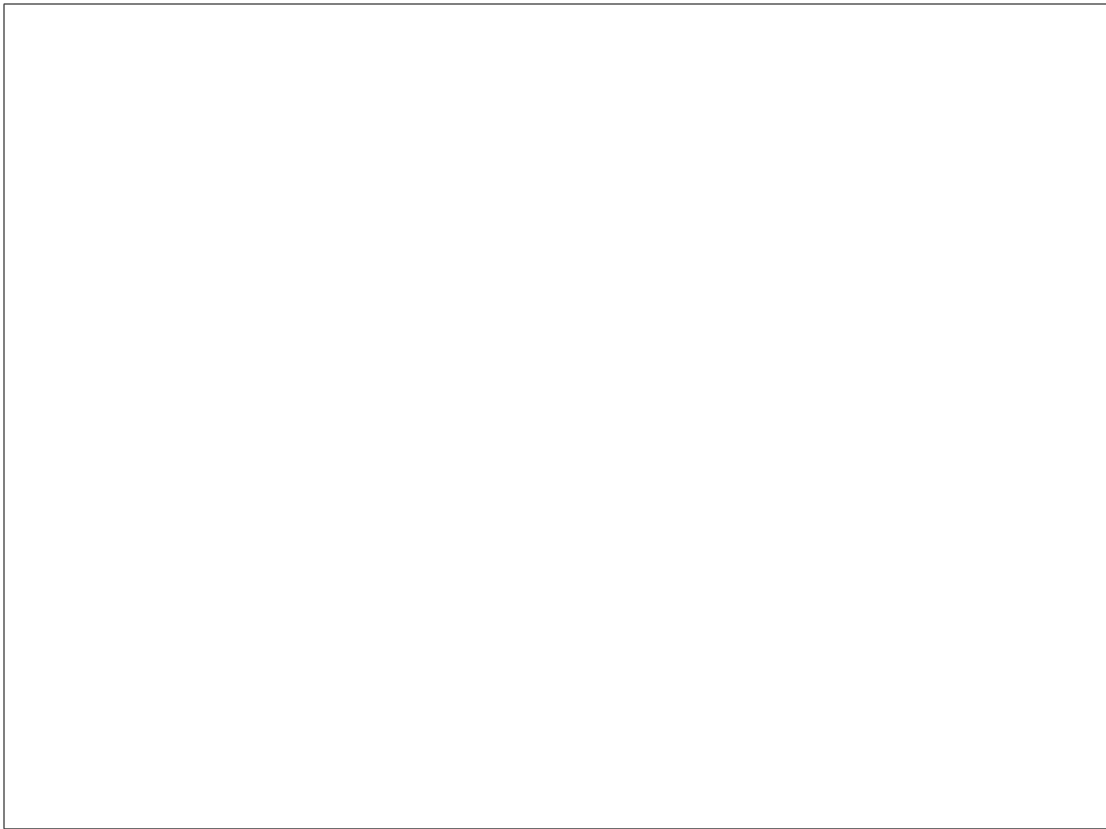

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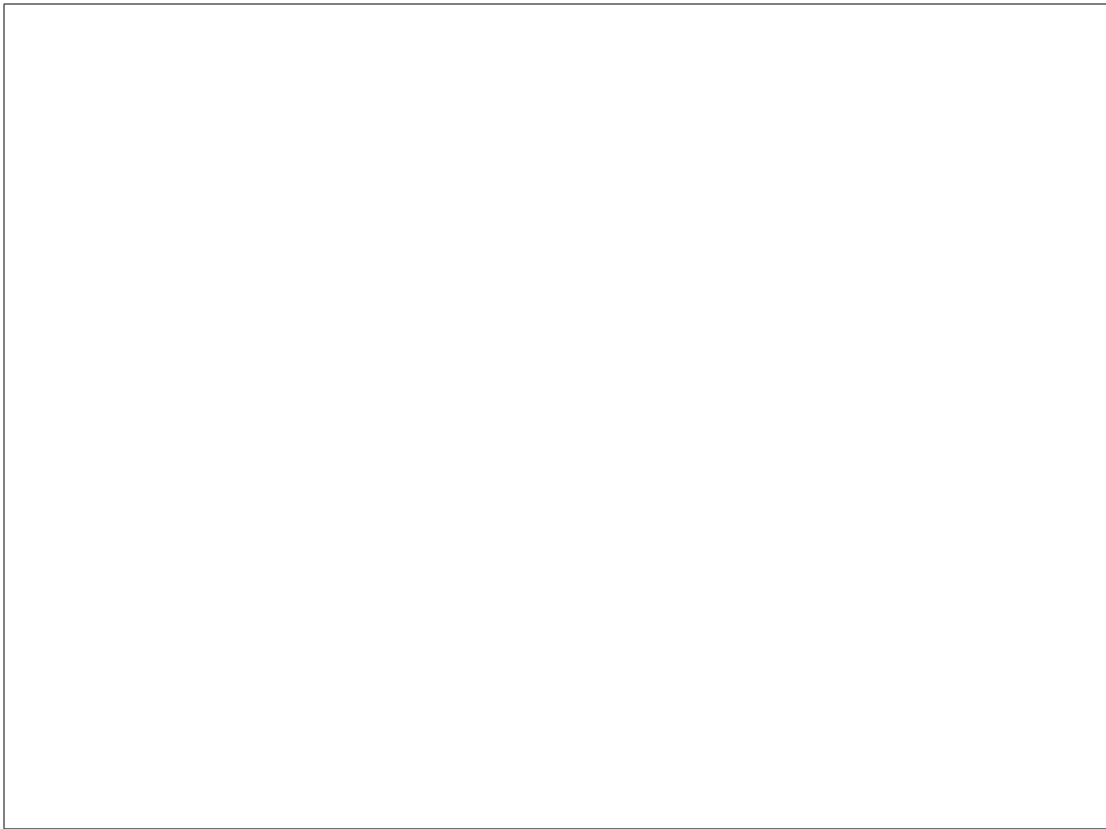
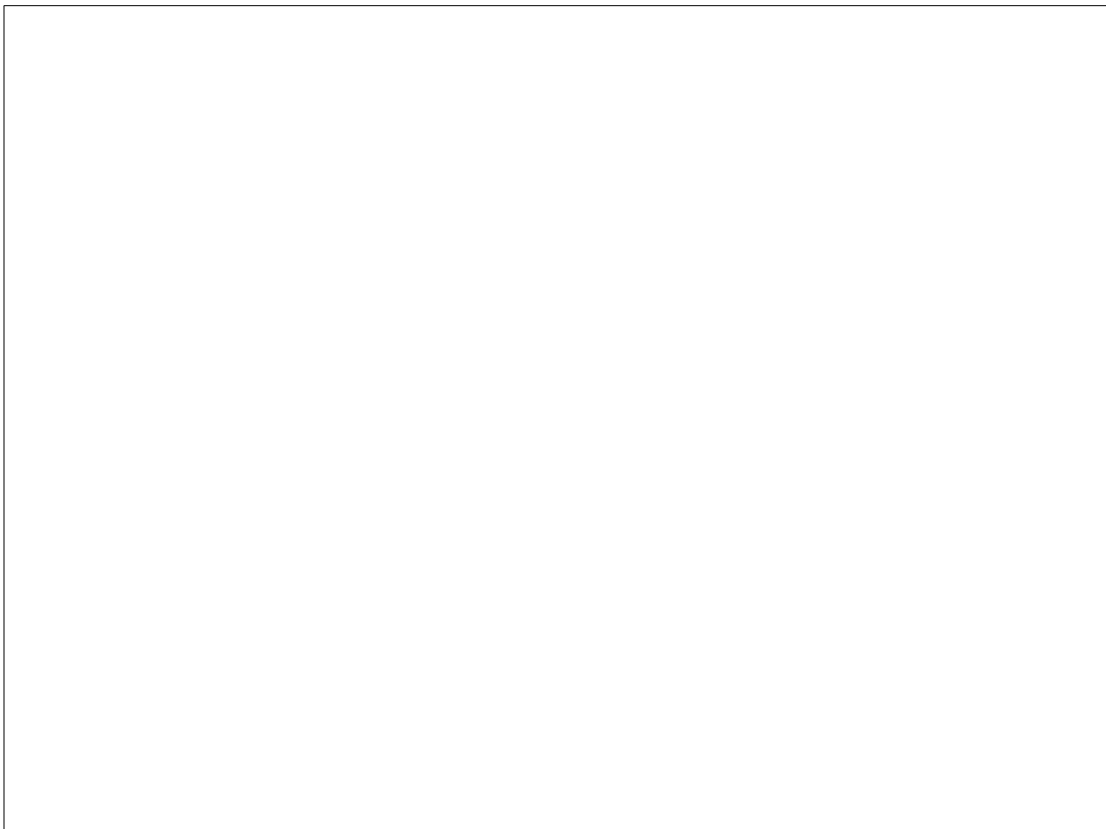
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