## **Images**

Following images on Flickr are freely available (All creative commons).



Argmax: man is jumping off of water

Beam k=3: man is jumping into pool

Beam k=5: man is jumping into pool

Beam log k=3: man is jumping into pool

Beam log k=5: man is jumping into pool



**Argmax**: two children are sitting in front of window

Beam k=3: little girl in red shirt is standing in front of window

Beam k=5: little girl is sitting in front of young boy who is looking at the

camera

Beam log k=3: two children are sitting in front of window
Beam log k=5: two young girls are sitting in front of window



Argmax: brown and white dog is running through the grass
Beam k=3: brown and white dog is running through the grass
Beam k=5: brown and white dog is playing with stick in its mouth
Beam log k=3: brown and white dog is running through the grass
Beam log k=5: brown and white dog is running through the snow



Argmax: two children playing in pool
Beam k=3: two children playing in pool
Beam k=5: young boy swims in pool

Beam log k=3: two children playing in pool Beam log k=5: two children playing in pool



Argmax: man in white shirt is playing violin

Beam k=3: the man is playing guitar
Beam k=5: the man is playing violin
Beam log k=3: the man is playing guitar
Beam log k=5: the man is playing violin



 $\mathbf{Argmax} :$  man is sitting on the grass with his tongue out of him

Beam k=3: man is sitting on the grass with his tongue out of him

**Beam k=5**: little boy is sitting on green grass

Beam log k=3: man is sitting in the grass with his tongue out of him

Beam log k=5: little boy is sitting in the grass with his tongue out of him



**Argmax**: dog is running through the water

Beam k=3: black and white dog runs through the water
Beam k=5: black and white dog runs through the water
Beam log k=3: black and white dog is running on the beach
Beam log k=5: black and white dog is running on the beach



**Argmax**: two boys are playing soccer in field

Beam k=3: group of children are playing soccer in field Beam k=5: group of children are playing soccer in field Beam log k=3: two boys are playing soccer in field Beam log k=5: two boys are playing soccer in field



Argmax: man in blue coat is riding on the street

**Beam k=3**: two people are sitting on bench in the woods

Beam k=5: man and woman are sitting on an atv in the woods

Beam log k=3: two people are sitting on the street with their bikes in the

background

Beam log k=5: man and woman are riding on the street



Argmax: man in red jacket is skiing down snowy hill

Beam k=3: two skiers are playing hockey Beam k=5: two skiers are playing hockey

Beam log k=3: man in red jacket is skiing down snowy hill Beam log k=5: man in red jacket is skiing down snowy hill



Argmax: man and woman walk down sidewalk Beam k=3: man and woman walk on sidewalk Beam k=5: man and woman walk on sidewalk Beam  $\log k=3$ : man and woman walk on sidewalk

Beam log k=5: group of people are walking down sidewalk in front of city

street



**Argmax**: group of people are playing with their flags

Beam k=3: group of young men in red and white uniforms are standing

in front of crowd of people

**Beam k=5**: group of football players in race

Beam log k=3: group of people are playing in race Beam log k=5: group of people are playing in race



Argmax: man in blue shirt is playing tennisBeam k=3: tennis player is playing tennis

Beam k=5: female tennis player is playing tennis
Beam log k=3: tennis player is playing tennis
Beam log k=5: tennis player is playing tennis



Argmax: two bicyclists are riding bicycles on the road

Beam k=3: group of people are riding their bicycles on the road

Beam k=5: group of people are riding bicycles on dirt road
Beam log k=3: group of people are riding bicycles on the road
Beam log k=5: group of people are riding bicycles on dirt road



Argmax: man in blue shirt and black jacket is running on track
Beam k=3: man in black and white jacket is running on track
Beam k=5: man in black and white jacket is sitting on green grass
Beam log k=3: man in black and white jacket is sitting on horse
Beam log k=5: man in black and white jacket is sitting on the grass



**Argmax**: woman in red shirt and black shirt is standing in front of building **Beam k=3**: woman in black and white shirt is standing in front of brick wall

**Beam k=5**: woman in red jacket is standing in front of brick wall **Beam log k=3**: woman wearing red shirt and black hat is standing in front

of building

Beam log k=5: woman in red jacket is standing in front of brick wall