

Who Has The Upper Hand?

The first chart shows the speed of the five hurricane categories. The second chart shows the speed of various characters that could run to warn their towns of an impending danger.

Your job is to find the hurricane category that each of the characters can outrun in order to warn their towns on time.

Note: The characters leave at the same time and from the same place the hurricane forms.

Note: The characters need to outrun only the lowest wind speed of a hurricane to make it possible.

Let N be the character's speed given in miles per hour.

Chart 1

Category	Speed
1	Winds 74-95 miles per hour
2	Winds 96-110 miles per hour
3	Winds 111-130 miles per hour
4	Winds 131-155 miles per hour
5	Winds > 155 miles per hour

Chart 2

Name	Speed
Espartacos	$130 + N = 280$ miles per hour
Godzilla	$N/30 = 6$ miles per hour
King Kong	$N*3 = 240$ miles per hour
Popeye	$N - 75 = 30$ miles per hour
Murphy	$N = (2*50) + 4^2$ miles per hour

