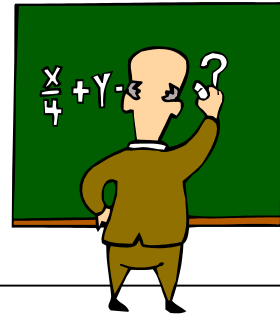


Problem of the Week

May 5 – May 12, 2008



This problem comes from Thomas Harvey:

Three moose and three sled dogs are at the bottom of a mountain. The problem is to get a all of the moose and sled dogs to the bottom of the mountain using the gondola that runs up and down the mountain. There are three conditions that must be followed:

- 1) No more than two animals can fit in the gondola at the same time.
- 2) There must be at least one animal on the gondola in order for it to move
- 3) If there are more moose than sled dogs on the top or bottom of the mountain at any point, the moose will kill the sled dogs.

With the three conditions in mind, how can you get all of the animals to the bottom of the mountain in no more than eleven moves? (A move up and then back down the mountain counts as two moves.)