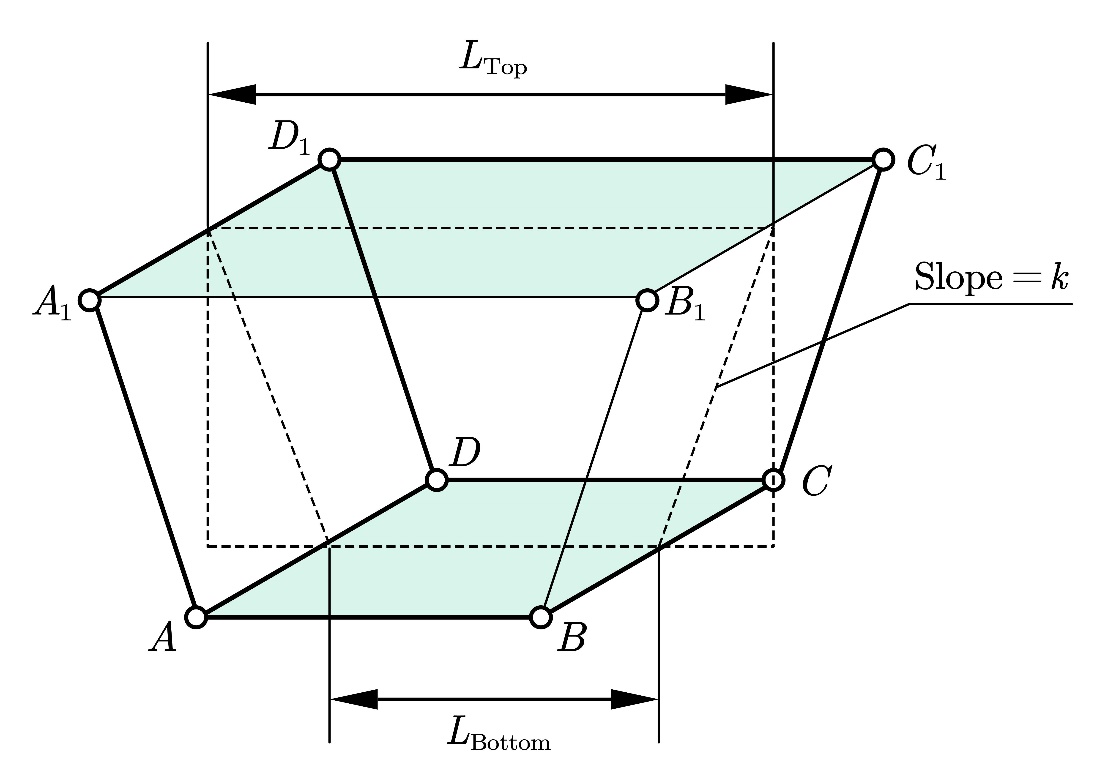
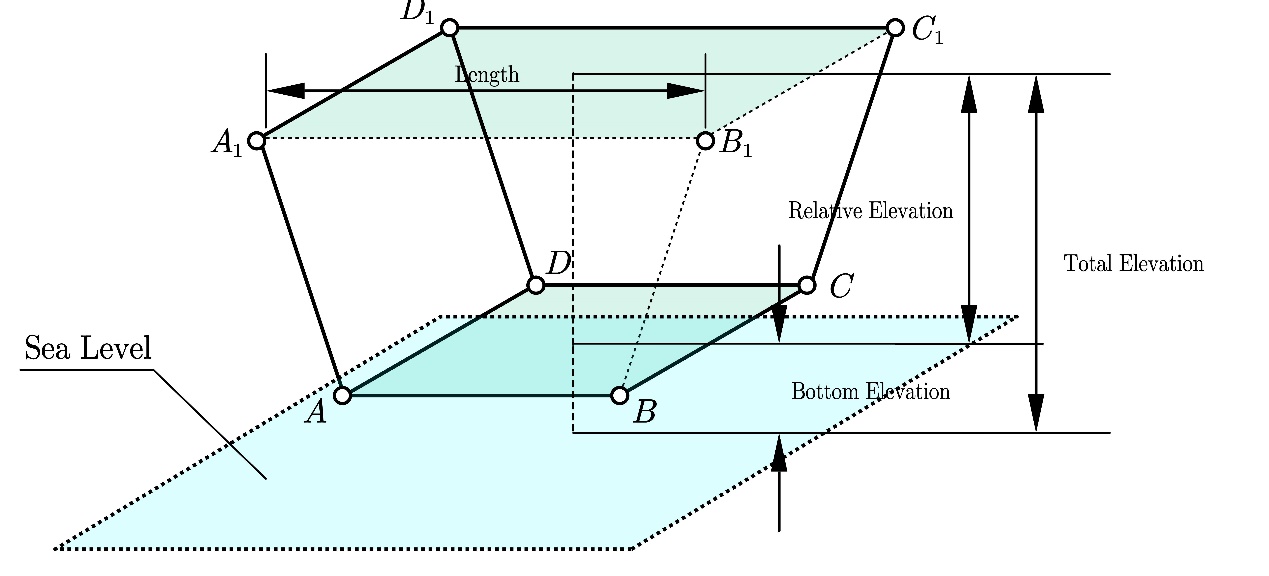
The area of Lake Mead is 640, 000, 000㎡ and its depth is 162m.

So the length of the top equals the square root of the area. ()

Assume that the shape of the lake can be simplified into a model like the pictures below:

-

It has been calculated that the slope of the edges is 0.8902.

What’s more, .

So

So equals 24934.258m.

So , h refers to the distance between a certain depth and the bottom of the lake.