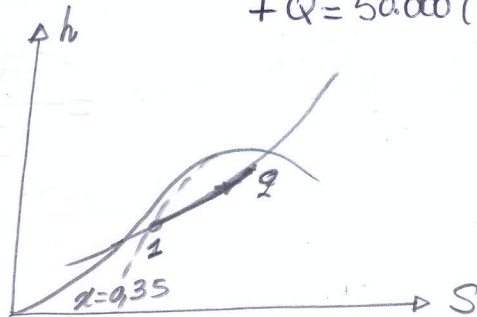
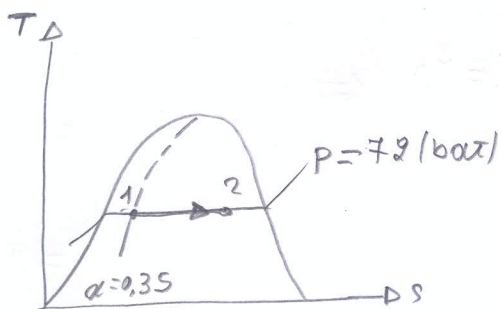


2^η (2022)

$m = 110 \text{ (kg)}$
 $+ Q = 50.000 \text{ (KJ)}$



ΤΕΛΙΚΗ
 ΚΑΤΑΤΑΞΗ = ;

Βιζτη τιμή κατάστασης 2 ή x_2 :

$$h_2 = h_1 + r \cdot x_2$$

$$h_1 = r \cdot x_1 + h_g$$

$$h_2 = h_1 + q \quad \text{, όπου } q = \frac{50.000 \text{ (KJ)}}{110 \text{ kg}} = 454,54 \text{ (KJ/kg)}$$

p	h_g	r
70	1267,4	1506,0
72		
75	1292,7	1474,2

$$h_g = 1267,4 + \frac{1292,7 - 1267,4}{75 - 70} \times (72 - 70) = 1277,52$$

$$r = 1506,0 + \frac{1474,2 - 1506,0}{75 - 70} \times 2 = 1493,28$$

$$h_1 = 1277,52 + 1493,28 \cdot 0,35 = 1800,168 \text{ KJ/kg}$$

$$h_2 = h_1 + q = 1800,168 + 454,54 = 2254,708$$

$$h_2 = h_g + r \cdot x_2 \Rightarrow x_2 = \frac{h_2 - h_g}{r} = \frac{2254,708 - 1277,52}{1493,28} = 0,654$$

2

2