1. (A)
60-29=30=> Z=15, P=45 (S= 15x45)
7-45x15-30 x15=225-P5 45=225+112,5=337,5

(B) $60-9=30 \Rightarrow 9=30$ (S=0 DWL=0 $\pi = \frac{30\times30}{2} = 450$ TS=67450=450

= P(91)91+ P(92)(92-91)-70(92) = (100-91)91+(16-92)(9291)-3912 = -91-92+3091+9192 f'=--91+92=0,-292+9192

CS= 620+ 410 = 100 TS=(00 +300 = 400) DWL= 450-400=50 7C= 50 +10 +40(20+0) -30×20=300

(D) $\pi = P(q_1)q_1 + P(q_2)(q_2 - q_1) + P(q_3)(q_3 - q_2) - T_c(q_3)$ = $(60 - q_1)q_1 + (60 - q_2)(q_2 - q_1) + (60 - q_3)(q_3 - q_2) - 3 \cdot q_1$ = $-q_1^2 - q_2^2 - q_2^2 + 3 \cdot q_3 + 21q_2 + q_2q_3$

f'=-29, t 92-0 -> 92+9, t 93=0 -> 9+30+92=0
=> 91=7.5 92=15 93=>>5 P1=5>5 P2=45 P3=52,5

7=52,5 × 715+45(15-715)+37,5(22,5,13)-30 ×22,5=337,5

C5= 75x45 4:5x4.3 + 4.3x4.5 = 84.373

TS=841375 + 337,5 = 421,845 box L = 450 - 421,815 =>8.125.