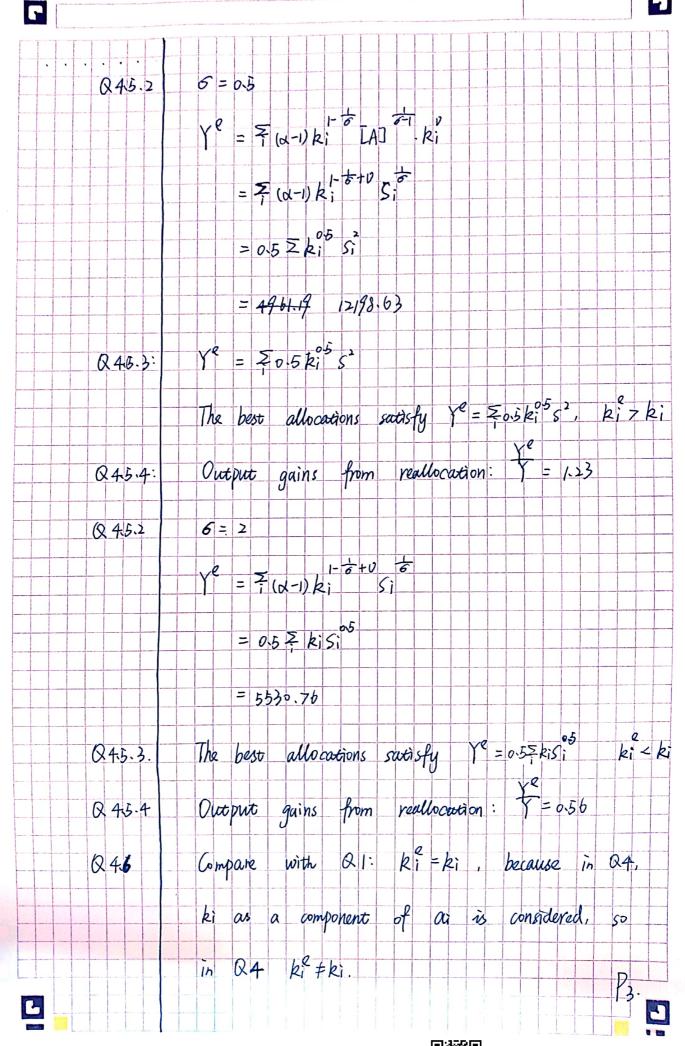


The optimal allocation: $Y^2 = K = 10358.46$ Compute the optimal ke Q 2.4 Output gains from reallocation: 1-13 = 4. Q 2.5 Q4.2. Ye = max 75i(ai, ki) ki 1: Flaa; +(1-0)k; J -k; -M(K-7ki) [ki] ki (1-d) [(1-d) ki +dai] + M=0 [M]: K= 7k; Ye = 2 (1-d) 6 ki [ki]: ki (1-0) [(1-0) ki + dai] -ki + [dai + (1-0) ki] T M = 0 [M]: K= 7ki [K]: M=0 Ye = = (a-1) ki [A] = 0.5 = ki = 0.5 Y = 4961.19 G Y = 0.5Y = = 0.5kisi Q 43: The best allocations satisfy \ o.5k; Si = 0.5 Y, ki < ki Output gains from reallocation: $\frac{1}{1} = \frac{1}{2}$ Q 4.4:



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