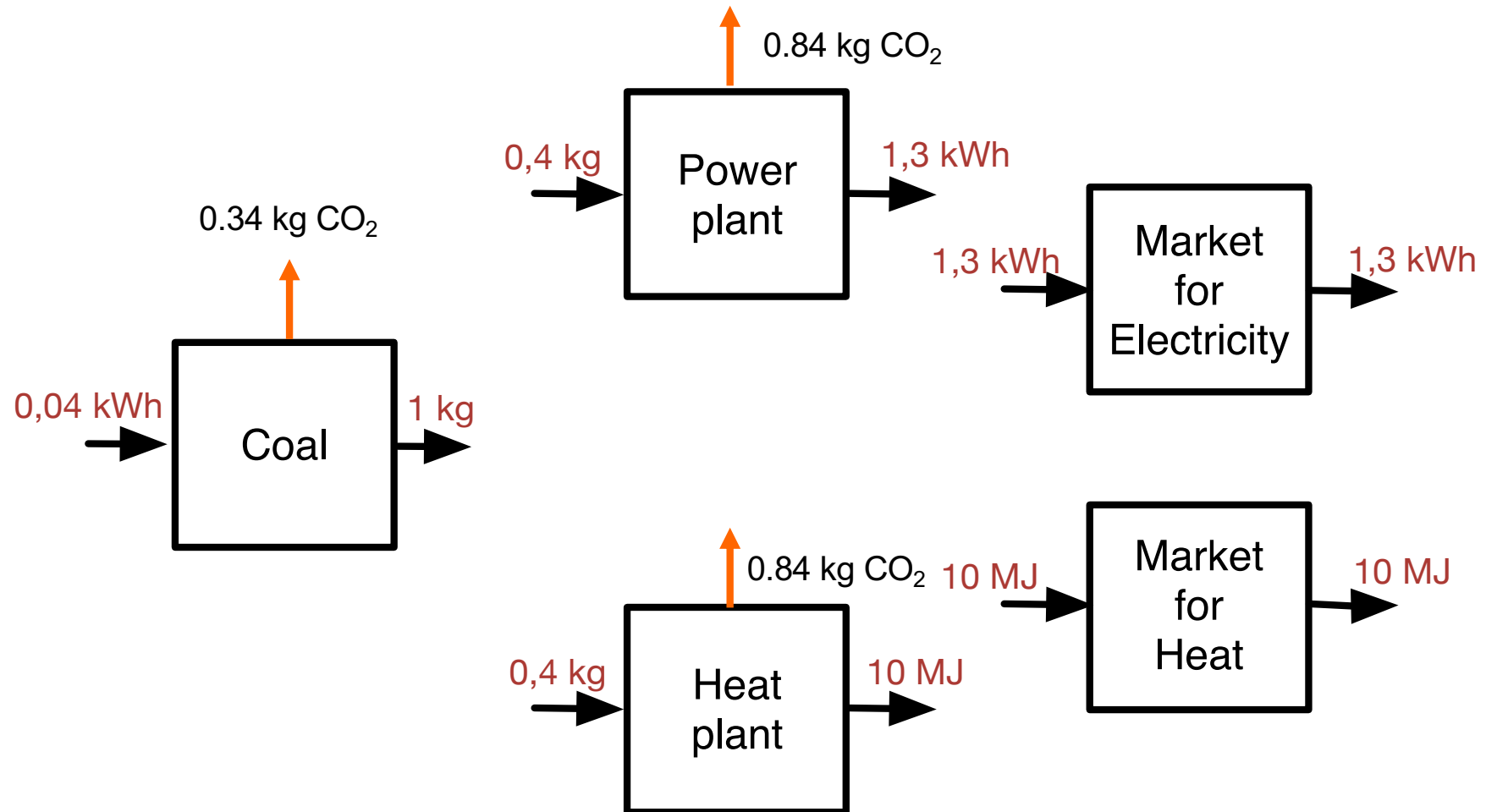
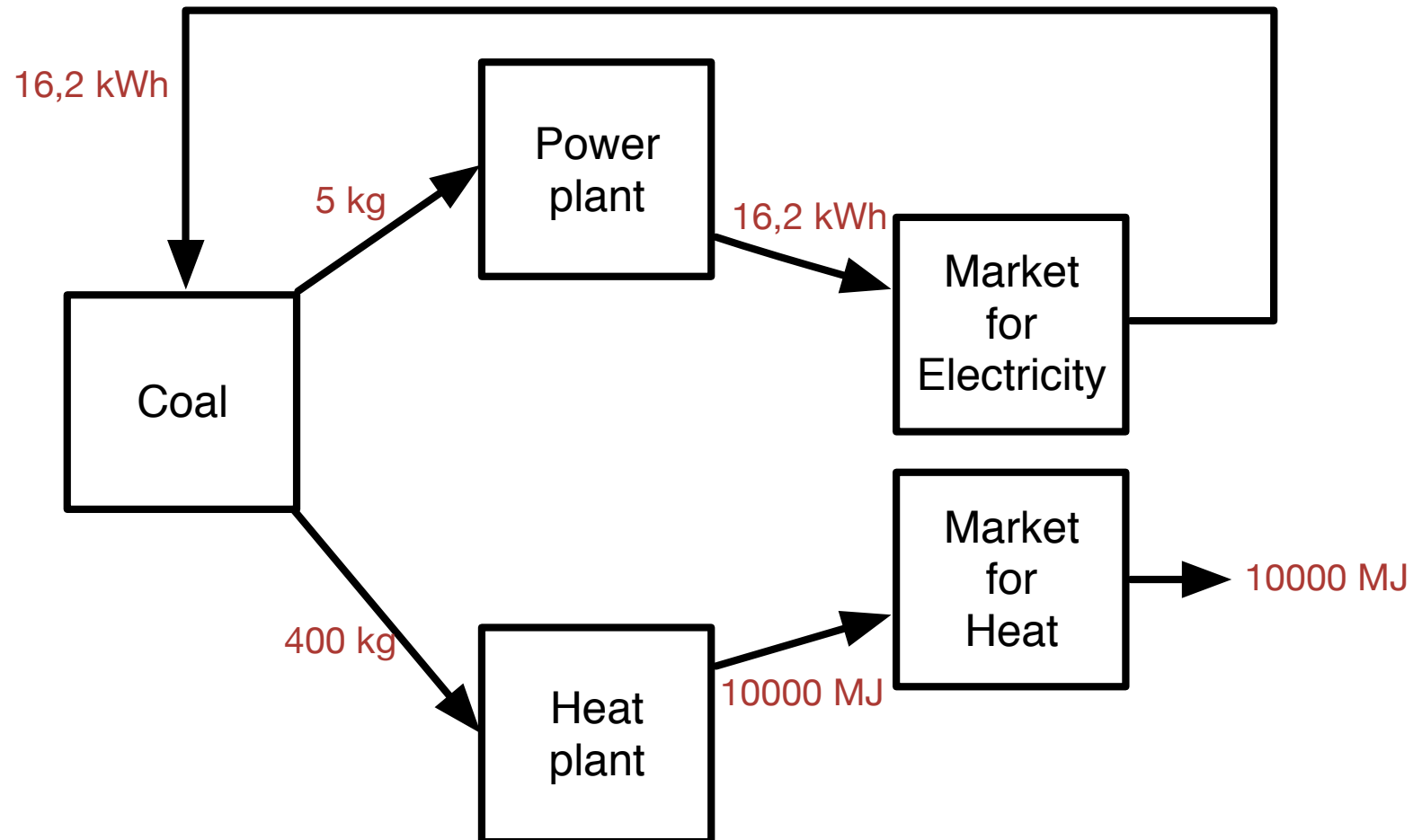


Exercise

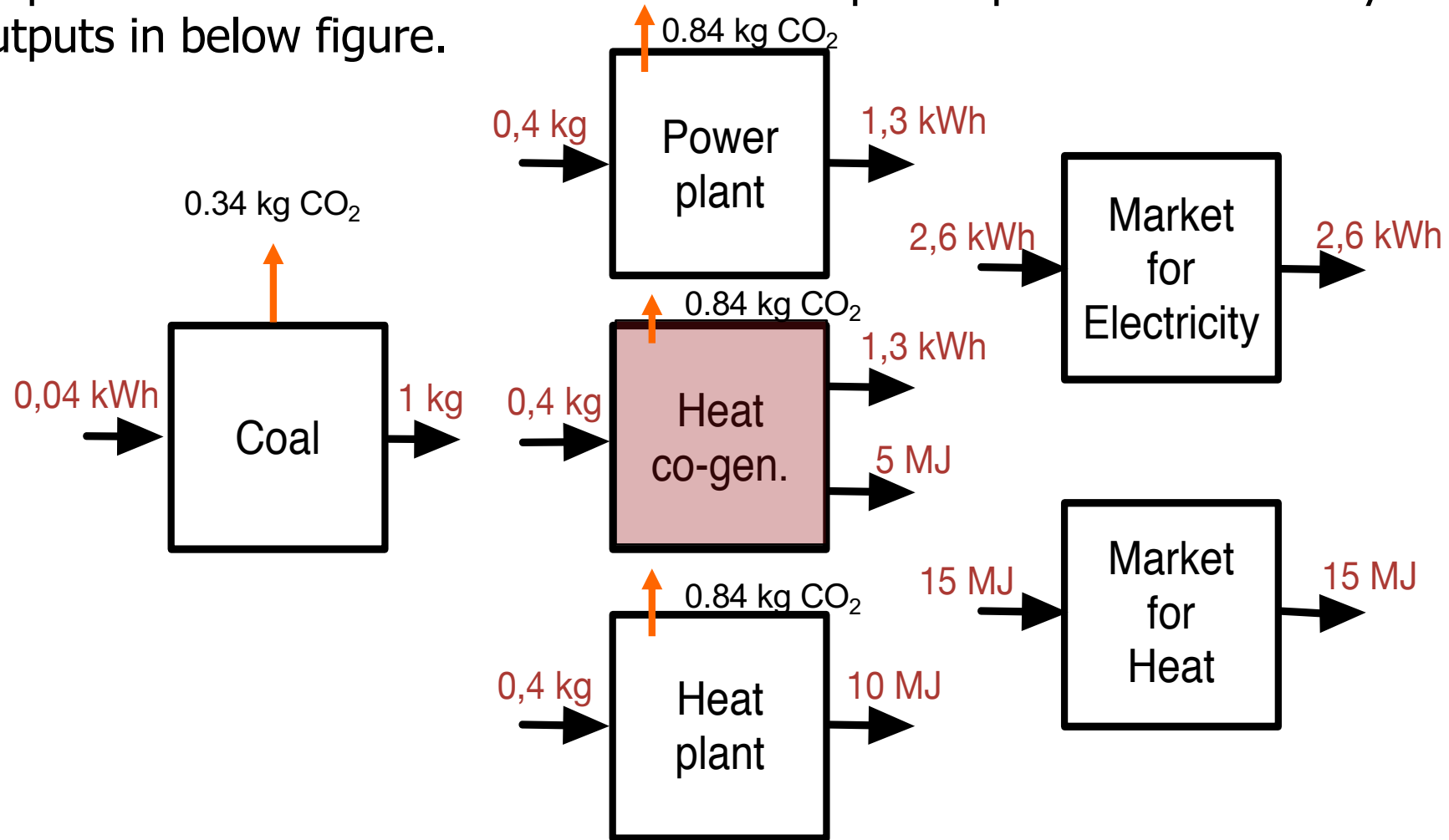
Link the below activities and calculate the flows between them necessary to produce a market output of 10000 MJ heat



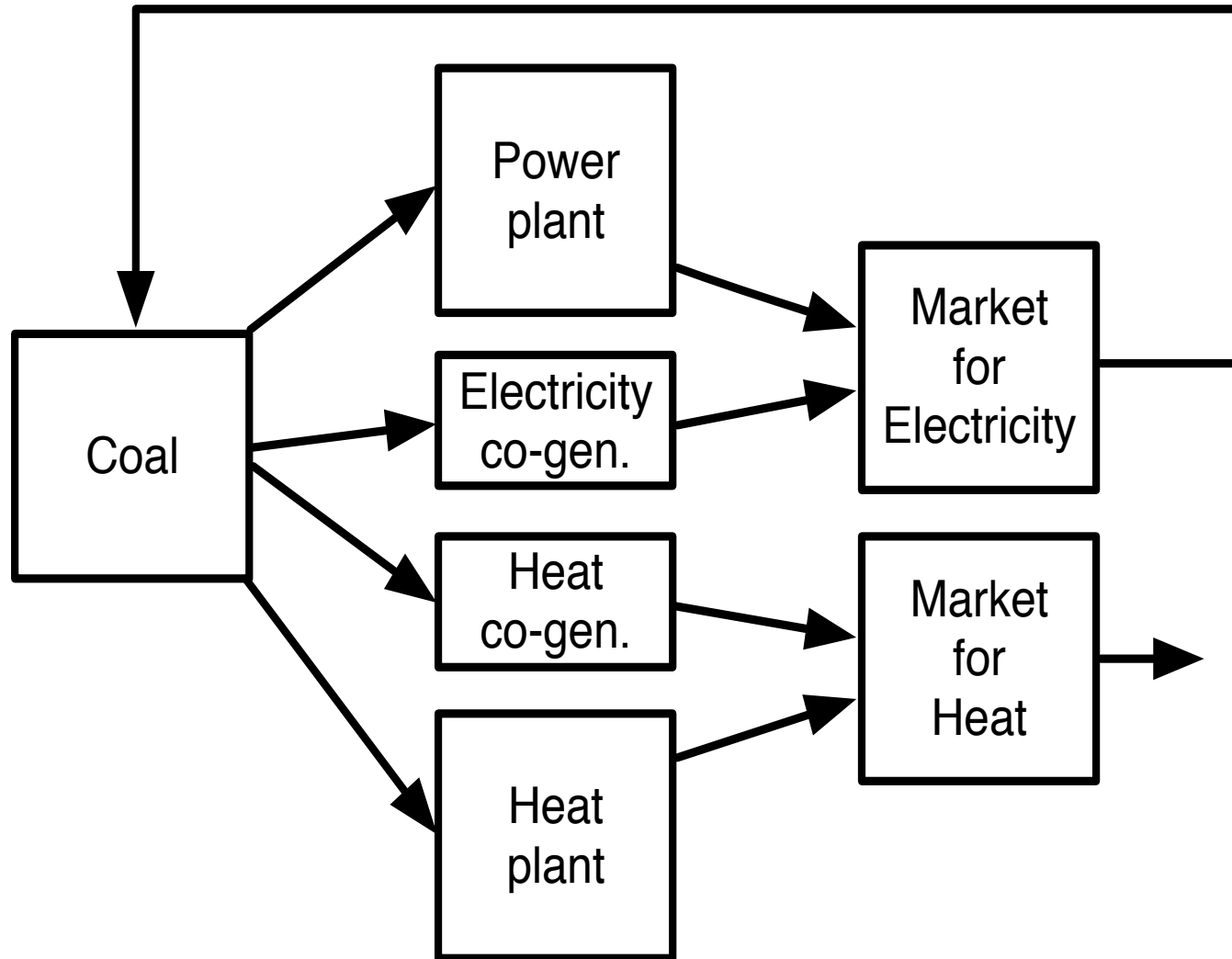
Solution:



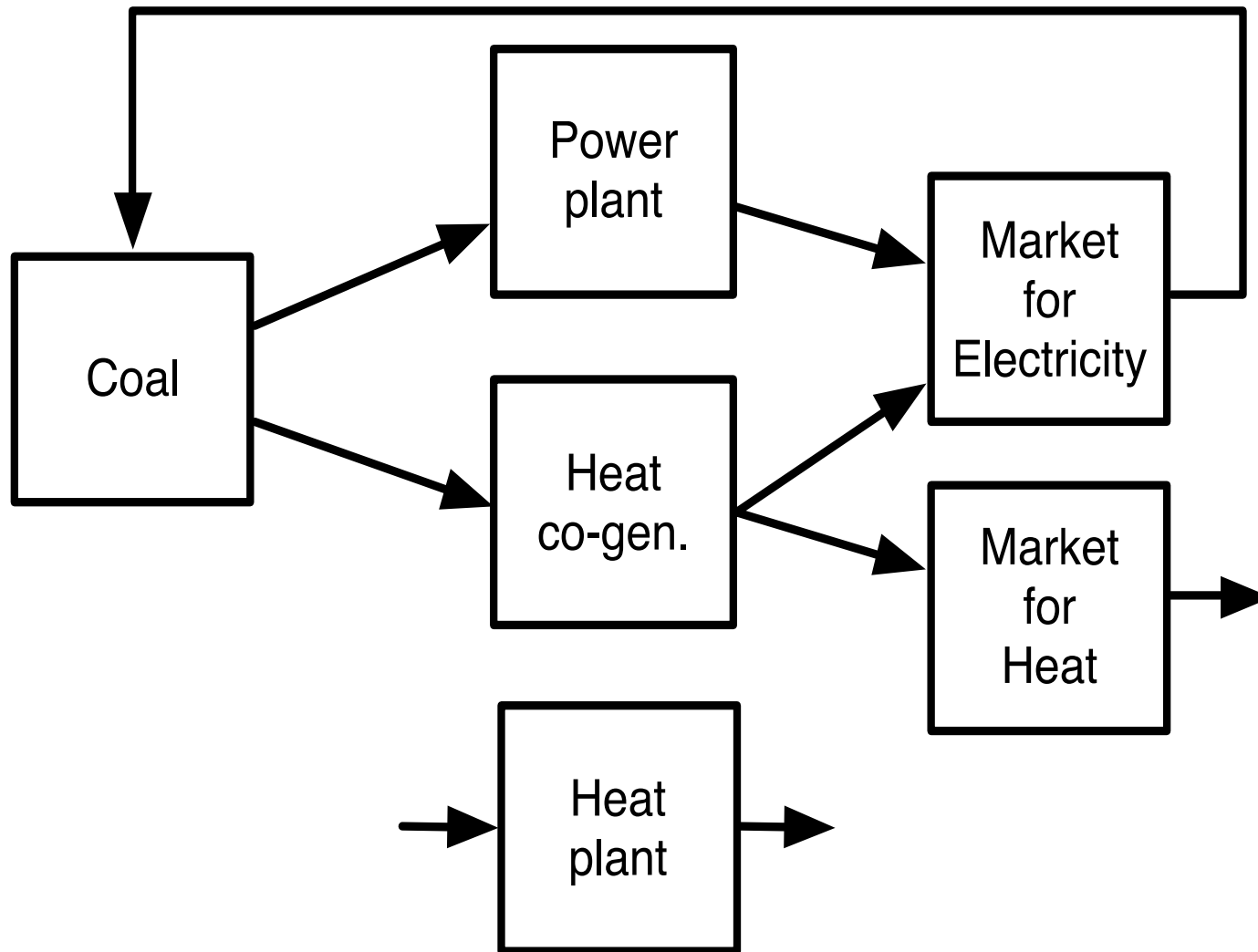
Expanded exercise: Now add 1) co-generation and 2) the information that the heat plant is constrained in its ability to supply additional output. Model the consequential and attributional systems to provide a market output of 10000 MJ heat. Market shares of power plants as shown by outputs in below figure.



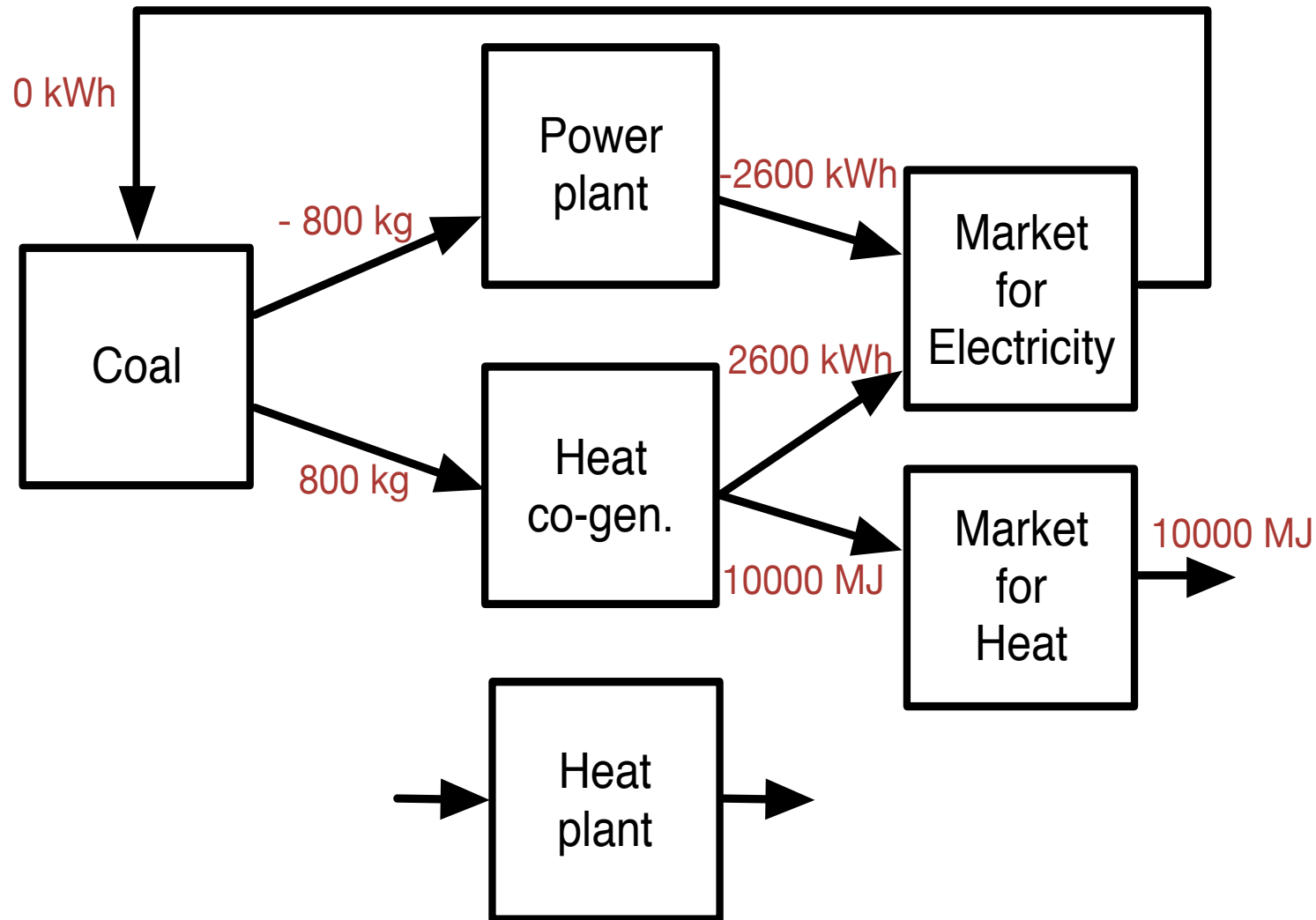
Market inputs for attributional system:
Cogen plant has same electricity output as power plant and half the heat output as the heat plant



Tip for consequential system: Heat plant is constrained



Solution: Consequential model



Solution: Attributional system

