







Enter Power Demand (MW)

Upload input as .txt file

UploadChoose FileSample_Input3.txt

(or)
Add Inputs

a b c Pmin PmaxAdd

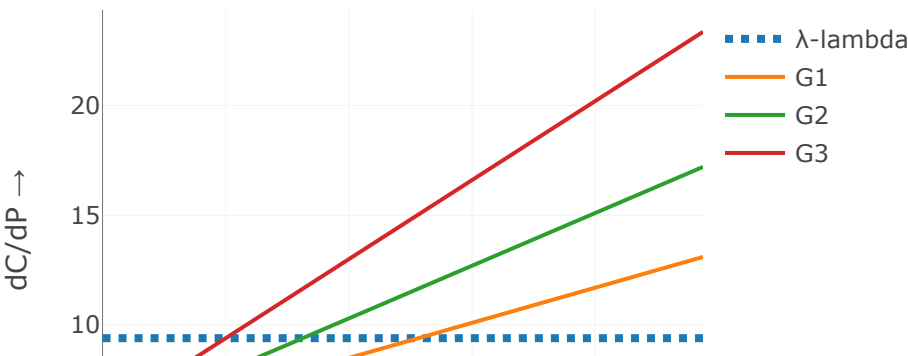
Generator	a	b	c	Pmin	Pmax		
G1	0.004	5.3	500	200	450		
G2	0.006	5.5	400	150	350		
G3	0.009	5.8	200	100	225		

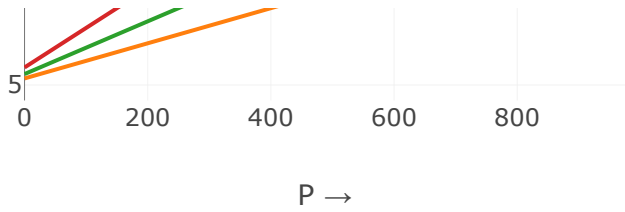
Compute

Given Data

$P_D = 975 \text{ MW}$

Incremental Cost Curves





Generator	Cost Function	Incremental Cost Function
G1	$0.004P^2 + 5.3P + 500$	$0.008P + 5.3$
G2	$0.006P^2 + 5.5P + 400$	$0.012P + 5.5$
G3	$0.009P^2 + 5.8P + 200$	$0.018P + 5.8$

Results

$\lambda = 9.400$

Generator	Power (MW)	Cost
G1	450.000	3695.00
G2	324.999	2821.24
G3	200.000	1720.00
Total	975	8236.241

Power Split %

