$$\bar{\mathbf{A}} = \mathbf{A.D}$$

$$\bar{\mathbf{A}} = \begin{bmatrix} -87.5000000000000 & -79.5000000000000 & -14.6000000000000 & -88. & 267.236000000000 & 0. & 0. & 0. & 0. \\ -43.2000000000000 & -78.5000000000000 & -77.9000000000000 & -69.9000000000000 & 0. & 200.070000000000 & 0. & 0. & 0. \\ -4.15000000000000 & -2.60000000000000 & -30.3000000000000 & -12.8000000000000 & 0. & 0. & 39.6640000000000 & 0. & 0. \\ -0.413000000000000 & -0.170000000000000 & -0.390000000000000 & -0.0790000000000000 & 0. & 0. & 0. & 0.704000000000000 & 0. \\ -0.292000000000000 & -0.0900000000000000 & -0.839000000000000 & -1.23000000000000 & 0. & 0. & 0. & 0. & 2.19000000000000 \end{bmatrix}$$

Langkah 3. Menghitung nilai $\bar{\mathbf{c}}$
yaitu tingkat kemiringan

$$\bar{\mathbf{c}} = \mathbf{D.c}$$

c : matriks kolom dari koefisien fungsi tujuan

$$\bar{\mathbf{c}} = \begin{bmatrix} -500 \\ -800 \\ -1500 \\ -2000 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}$$

Langkah 4. Menghitung tingkat kemiringan yang diproyeksikan **Cp**

$$\mathbf{Cp} = \mathbf{P}.\bar{\mathbf{c}}$$

dengan $\mathbf{P} = \mathbf{I} - \bar{\mathbf{A}}^{t}(\bar{\mathbf{A}}\bar{\mathbf{A}}^{t})^{-1}\bar{\mathbf{A}}$

$\mathbf{P} =$

0.756326891069623	-0.135085864787805	-0.145536174079432	-0.0785031460137196	0.173652396111282	0.0262130426411671	-0.0662326793589087	0.321644250812166	-0.00455433574798674
-0.135085864787805	0.844281404988817	-0.0783557031668742	-0.0945626568080450	0.171514509505956	0.238549217499910	-0.0491643429557718	0.0706082422838338	-0.0664439492693828
-0.145536174079432	-0.0783557031668743	0.563354219990053	-0.183930622613852	-0.100752207082433	0.0929197670699544	0.350635864904644	0.187145905080188	0.0898954103380839
-0.0785031460137196	-0.0945626568080451	-0.183930622613852	0.710743783731095	0.170161615148161	0.122648525585846	0.0744446249218545	-0.0910250495251132	0.314366896743148
0.173652396111282	0.171514509505956	-0.100752207082433	0.170161615148161	0.158411396949121	0.125013107789073	0.00735861153378521	0.106570046938250	0.0871737399132912
0.0262130426411671	0.238549217499910	0.0929197670699544	0.122648525585846	0.125013107789073	0.178288093212583	0.128942672503506	0.138220591284589	0.117781282679678
-0.0662326793589087	-0.0491643429557718	0.350635864904644	0.0744446249218545	0.00735861153378520	0.128942672503506	0.281728141251159	0.151870849153305	0.165290249347058
0.321644250812166	0.0706082422838338	0.187145905080188	-0.0910250495251132	0.106570046938250	0.138220591284589	0.151870849153305	0.299202273923957	0.0663604869813179
-0.00455433574798675	-0.0664439492693828	0.0898954103380838	0.314366896743148	0.0871737399132912	0.117781282679678	0.165290249347058	0.0663604869813179	0.207663794883592

Cp : Tingkat kemiringan yang diproyeksikan

$$\mathbf{Cp} = \begin{bmatrix} 105.215799 4420199 \\ -301.223323 2307505 \\ -341.717435 1841602 \\ -1030.68993 3088126 \\ -413.232725 3330796 \\ -588.622597 0971359 \\ -602.395233 1566033 \\ -315.977478 8032063 \\ -708.144587 7039226 \end{bmatrix}$$