

Contoh:

* $P(s) = s^5 + 3s^3 + 2s^2 + s + 1 \rightarrow$ tidak stabil

* $P(s) = -s^2 - 2s - 3 \Rightarrow P(s) = s^2 + 2s + 3 = 0 \rightarrow$
stabil

* $P(s) = s^5 + 4s^4 + 3s^3 + 2s^2 + s + 1$

Kriteria (1) terpenuhi

Kriteria (2):

Tabel Routh:

terjadi
pergantian
tanda, sistem
tidak stabil

s^1	1	3	1
s^2	4	2	1
s^3	2,5	0,75	0
s^4	0,8	1	0
s^5	-2,375	0	0
s^6	1	0	0