THE FOLLOWING "ROW-SHIFTING" METHOD IS BETTER THAN THE ABOVE EPSILON METHOD.

AGAIN LET $p(s) = 3s^4 + 6s^3 + 2s^2 + 4s + 5$

$\Rightarrow$

s^4	3	2	5
s^3	6	4	
s^2	0	5	
s^1			
s^0			

s^2 ROW IS PROBLEMATIC. REPLACE IT WITH THE ORIGINAL ROW ADDED TO $(-1)^N$ TIMES THE ROW LEFT SHIFTED N TIMES UNTIL ALL ZEROS DISSAPEAR.

IN THE ABOVE EXAMPLE:

ORIGNAL ROW: 0 5

$(-1)^{N=1}$ x SHIFTED ROW: −5 0

SUM: −5 5

THE ABOVE ROUTH ARRAY NOW BECOMES

s^4	3	2	5
s^3	6	4	
s^2	−5	5	
s^1	+10		
s^0	5		

$\Rightarrow$ 2 SIGN CHANGES