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Pengolahan Sinyal Optimasi D

	1 4 1	
	2 5 3	

$x(n_1, n_2)$

	1 1	
	1 -1	

$k(n_1, n_2)$

	1 4 1	
	2 5 3	
-1 1		
1 1		

$\Rightarrow$

	1 4 1	
-1	(1.2) 5 3	
1	1	

$1.2 = 2 \Rightarrow$

	1 4 1	
	(1.2) (1.5) 3	$-2+5=3$
	1 1	

$\Downarrow$

	1 4 1	$-1.3=-3$
	2 5 (-1.5) 1	$\Leftarrow$
	1 1	

$\Leftarrow$

	1 4 1	$-5+3 = -2$
	2 (-1.5) (1.5)	
	1 1	

$(2 \quad 3 \quad -2 \quad -3)$

-1	(1.1) 4 1	$1 + 2 = 3$
1	(1.2) 5 3	$\Rightarrow$

	(-1.1) (1.4) 1	$-1+4+2+3 = 10 \neq$
	(1.2) (1.5) 3	

	1 (-1.4) (1.1)	$-4+1+5+3 = 5$
	2 (1.5) (1.3)	

$\Downarrow$

	1 4 (-1.1) 1	$-1+3 = 2$
	2 5 (1.3) 1	

$\begin{pmatrix} 3 & 10 & 5 & 2 \\ 2 & 3 & -2 & -3 \end{pmatrix}$

-1	1	
1	(1.1) 4 1	$1.1 = 1$
	2 5 5	

$\Rightarrow$

-1	1	
1.1)	(1.4) 1	$1+4=5$
2	5 3	

$\Rightarrow$

	-1 1	
1	(1.4) (1.1)	
2	5 3	$4+1=5$

$\begin{pmatrix} 1 & 5 & 5 & 1 \\ 3 & 10 & 5 & 2 \\ 2 & 3 & -2 & -3 \end{pmatrix}$

$\Downarrow$

	-1 1	
1	4 (1.1) 1	$1.1 = 1$
2	5 3	

hasil yang diperoleh adalah

$$g(n_1, n_2) = \begin{array}{|cccc|} \hline 1 & 5 & 5 & 1 \\ 3 & 10 & 5 & 2 \\ 2 & 3 & -2 & -3 \\ \hline \end{array}$$