$$\begin{array}{c}
3i + 3 = 0 \\
i = -3 \\
3i + 9 > 0 \\
i > -3
\end{array}$$

$$\begin{array}{c}
3i \cdot 3i + 3 > 0 \\
-\frac{2}{3}i + 3i - 2i
\end{array}$$

$$\begin{array}{c}
-\frac{2}{3}i - \frac{1}{3}i - \frac{2}{3}i - \frac{2}{3}i
\end{array}$$

$$3i+9=0 \Rightarrow i=-3$$
  
 $3i+9>0 \Rightarrow i>-3$   
 $I[3i:3i+3>0]$   
 $S[-3-2-10...]$   
 $S[-3-2-10...]$   
 $i[-3i-\frac{1}{3}i>2\frac{2}{3}...]$   
 $S[12345...]$ 

3:+3:3:>-2  $\begin{bmatrix} -\frac{2}{3}, -\frac{1}{3}, 0, \frac{1}{3}, \frac{2}{3} \end{bmatrix}$ 5[1,2,3,4,5...]

$$[3i+3:3i)-2]$$

$$[i:i)3] = [i:i)3$$

$$BoA = composition (atalya)$$

$$= [i-j:3k:i-)K \in A$$

$$= [i-j:3k:i-)K \in A$$

$$[n] \rightarrow \{[i:o < i < n]\}$$

$$Dependencies$$

$$\begin{array}{l}
M(S[i0] \rightarrow A[i0*3+2]) \\
R(S[i0] \rightarrow A(4*i0)) \\
WAR \rightarrow A(4*i0) \\
\rightarrow A(i0*3+2) \\
Schedule SS(), (7[i)) \\
S:pmd=0 \\
forli) \\
T:A[i]=R[i]
\end{array}$$

$$S(i0) \rightarrow [[] \rightarrow [i0])$$

$$Scatter schedule$$

$$Schedule$$

$$Accesses$$

$$\{[i] \rightarrow [i, i-]: i>0\}$$

$$PW-multi-aff$$

$$\{[i] \rightarrow [(i), (i-1)]: i>0$$

$$multi-pW-aff$$

$$\{[i] \rightarrow [((i): i>0), ((i-1): i>0)]\}$$