Bundle 0   Bundle 1   Bundle 2   Bundle 3

CSR/Seq Engine

CSR Mode	
Operation 7 Bits	CSR
Sequence 16 Bits	V'
array_pointer 64 Bits	edge_list
Result 4 Bytes	Neighbor/n

Ⓖ   Ⓘ   Ⓙ

if parents[v] = -1 **then**

Metadata	Packet	
routing	Ⓖ Ⓙ Ⓖ	
cmd	engine config	
Data	32-bit Fields	
field_0	edgeIdx	
field_1	inDegree	
field_2	parents	
field_3	v	

for n ∈ inNeighbor[v] **do**

Ⓚ

Seq

CSR → Engine

Read

Filter

Control

Memory

graphCSR->inNeighbor[v]