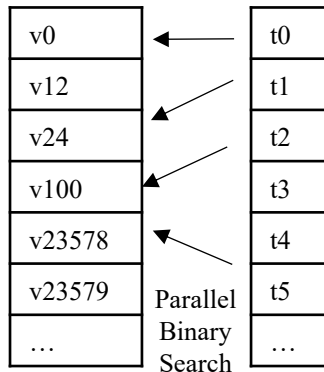


## GPU Global Memory

Points to  
CPU

Array of  
sampled  
vertices

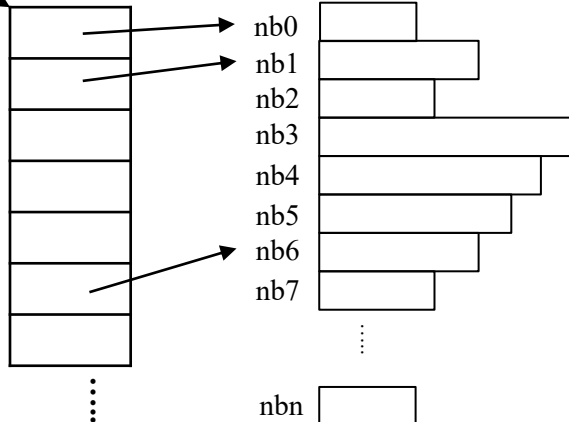
Candidate  
vertices in  
for-loop

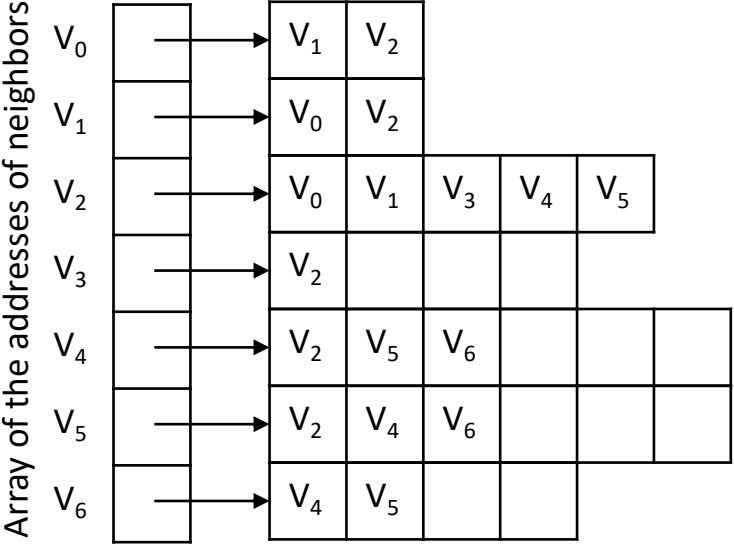


## CPU Main Memory

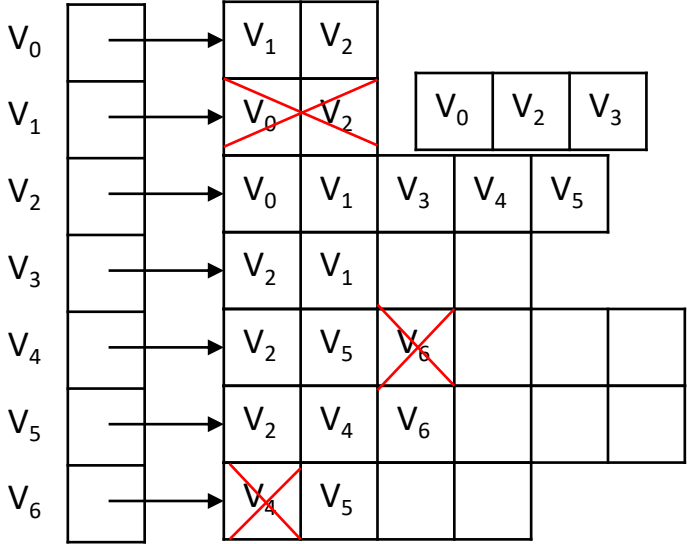
Array of  
addresses

Dynamic data graph

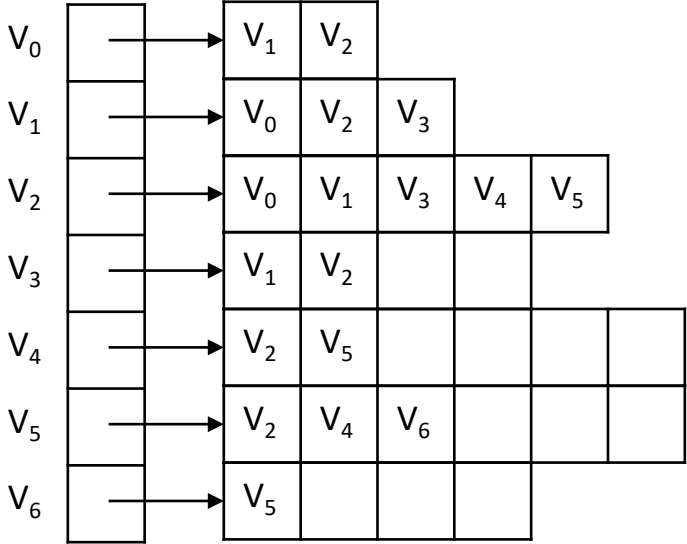




Array of the addresses of neighbors



Array of the addresses of neighbors



Row Index:

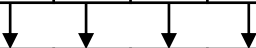
$V_1$	$V_3$	$V_4$	$V_6$
-------	-------	-------	-------

Row Pointer:

0	1	2	3	4
---	---	---	---	---

Column Index:

$V_3$	$V_1$	$V_6$	$V_4$
-------	-------	-------	-------



Row Index:

$V_0$	$V_1$	$V_3$	$V_4$	$V_6$
-------	-------	-------	-------	-------

Row Pointer:

0	2	4	5	8	10
---	---	---	---	---	----

Column Index:

$V_1$	$V_2$	$V_0$	$V_2$	$V_2$	$V_2$	$V_5$	$V_6$	$V_4$	$V_5$
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

