

**LV** target: vreg , base: reg , off: imm

Behavior:

- addr = base + offset
- target = [addr + 511: addr]

**SV** base: reg , off: imm , target: vreg

Behavior:

- addr = base + offset
- [addr + 511: addr] = target

**VADD** dst: vreg , a: vreg , b: vreg

Behavior:

- FOR j = 0 to 15
- i = j \* 32
- dst[i + 31: i] = a[i + 31: i] + b[i + 31: i]
- ENDFOR

**LSRV** dst: vreg , src: vreg , shift: imm

Behavior:

- FOR j = 0 to 15
- i = j \* 32
- IF shift > 31
- dst[i + 31: i] = 0
- ELSE
- dst[i + 31: i] = ZeroExt(src[i + 31: i] >> shift)
- ENDIF
- ENDFOR

**VPERM** dst: vreg , a: vreg , idx: vreg

Behavior:

- FOR j = 0 to 15
- i = j \* 32
- id = idx[i + 31: i] \* 32
- dst[i + 31: i] = a[id + 31: id]
- ENDFOR