LOAD_W	LOAD_D	CALC_F	Vir_SAVE	Vir_LOAD_D	LOAD_W	CALC_F	SAVE

(a) Input instruction sequence. (VI-ISA from DDR)

One SAVE for two CalcBlobs

LOAD_D	LOAD_W	CALC_F	LOAD_W	CALC_F	SAVE
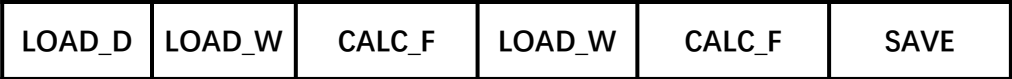
(b) Executed sequence when no interrupt. (Original ISA to accelerator)

Virtual Instructions are deleted.

Modified SAVE for the last CalcBlobs

LOAD_W	LOAD_D	CALC_F	SAVE	High-Priority	LOAD_D	LOAD_W	CALC_F	SAVE

(c) Executed sequence when interrupt occurs. (Original ISA to accelerator)

Virtual Instructions (Blue) are executed. Normal SAVE (Red) is modified.