

Save (Restore) Registers A,B,C,L,H

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Registers D,E return changed

Step	Label	Addr	Code	Minem	Comments	Time (uS)
0	SAVEREG	000	336	LDL	Save L temporarily	20
1		001	345	LEH	Save H temporarily	20
2		002	066	LLI	Load L with temp start location	32
3		003				
4		004	056	LHI	Load H with temp start Page	32
5		005	000			
6		006	370	LMA	Save A	32
7		007	060	INL	Inc L	20
8		010	371	LMB	Save B	32
9		011	060	INL	Inc L	20
10		012	372	LMC	Save C	32
11		013	060	INL	Inc L	20
12		014	373	LMD	Save D (L)	32
13		015	060	INL	Inc L	20
14		016	374	LME	Save E (H)	32
15		017	363	LLD	Restore L	20
16		020	354	LHE	Restore H	20
17		021	007	RET	Return	20
18	RESTOREREG	022	066	LLI	Load L with temp start location	32
19		023				
20		024	056	LHI	Load H with temp start Page	32
21		025	000			
22		026	307	LAM	Restore A	32
23	RESTORESKIPA	027	066	LLI	Load L with temp start location	32
24		030			+1	
25		031	056	LHI	Load H with temp start Page	32
26		032	000			
27		033	317	LBM	Restore B	32
28		034	060	INL		20
29		035	327	LCM	Restore C	32
30		036	060	INL		20
31		037	337	LDM	Load D with mem (L)	32
32		040	060	INL		20
33		041	347	LEM	Load E with mem (H)	32
34		042	363	LLD	Restore L	20
35		043	354	LHE	Restore H	20
36		044	007	RET	Return	20
37		045				
38		046				
39		047				
40		050				
41		051				
42		052				
43		053				

Total = 404 uS

This routine will restore A
Along with other registers

This routine does not restore A
in the event that data is to be returned
from some subroutine in A

Total= 408