Internal Register INP R: Hold Ascicode 8 bit _____ Flag input _ FGI. OUT R: Hold Asc-II code For output character 8 bit FGO: FG-1 Of Key board 11 is in Lie is FG=1 charac miliamo printer Ilal FG-0 which charac Just printer 111 Time and Control structure: To! AR PC (micro operation) or register transfar statement T, IR M[AR] PC PC+1 T2 I [R[15] AR (IR[0 11] AND), H 3837 3x8 decoder [do-d7] [IR [12-14] Ta! iF I,=0 'do nothing' .Do: antrol struct ا if I = 1 AR M[AR] AND وا المالة ا DR _ HIARI DOTS! AC A OR , SC O memory instruction refrence address address or operation of_ code - register instruction refrence . operation IR

| symbol | instruction Hex decimal code | | | <u> </u> |
|---------|------------------------------|---|--|----------|
| King to | Iro | evertal a terrino | | |
| ДИР | XXX O | 8xxx | | |
| ADD | 1 xxx | 9 xxx | " memory | |
| eal | 2 xxx | Axxx | instruction | |
| STA | 3 xxx | B xxx | refrence | |
| Bun Li | 4 x x x | C xxx | (Sir) Indiana | |
| BSA | 5 ** x | D xxx | N. N. S. | |
| Isz | 6 x x x | E xxx | (A) | |
| | 3 | istmet dixi | 1000 | |
| clA | 780 | <u>, , , , , , , , , , , , , , , , , , , </u> | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | · |
| clc | 7400 H | | "Reg instruction | · |
| СМА | 7200 H | | refrence " | |
| СМС | 7100 H | | instructu | |
| Hans | Man comment of A a | | refrence " | .le |
| clR | 7080 II | | | |
| clc | 7040 H | | 12 instruction | |
| HIT | 70 of y | | O'NS) | |
| | | | (A) | |
| Іир | FBOOH | | 1 1 1- | |
| aUT | F400 H | | " input / output | |
| sKI | F 200 H | | instruction | |
| sko | Floor | | | |
| Ion | F080н | | refrence " (b) instruction | |
| Toff | | F040 H | | |

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