## DATABASE

## Here, courtesy of Zilog Inc., we produce another part of the Z80 programmers' reference card.



## Exchange, Block Transfer, and Search Groups

Mnemonic	Symbolic Operation	s	z	Fi	ags	P/V	N	Opcode 76 543 210	Hex	No.of M Cycles	Comments
	AF AF BU BC DE DE HU HU										Register bank and aukliary tegist bank exchange
	H -= (SP + 1) L -= (SP)										
	1Xµ ++ (SP + 1) 1X1 ++ (SP)										
	$\begin{array}{l} (DE) \leftarrow (HL) \\ DE \leftarrow DE + 1 \\ HL \leftarrow HL + 1 \\ BC \leftarrow BC - 1 \end{array}$										
	$\begin{array}{l} (DE) \leftarrow (HL)\\ DE \leftarrow DE + 1\\ HL \leftarrow HL + 1\\ BC \leftarrow BC - 1\\ Repeat untuil BC = 0 \end{array}$										
	$\begin{array}{l} (DE) \leftarrow (HL)\\ DE \leftarrow DE - 1\\ HL \leftarrow HL - 1\\ BC \leftarrow BC - 1\\ Repeat until\\ BC = 0 \end{array}$										
	$ \begin{array}{l} HL + HL + 1 \\ BC + BC - 1 \\ Feperal until \\ A = (HL) 0^{2} \\ BC = 0 \end{array} $										
	$ \begin{split} & HL = HL - 1 \\ & BC = BC - 1 \\ & Repeat unit \\ & A = (HL) \ qr \\ & BC = 0 \end{split} $										

2 rag is 1 if A = IHL1 otherwise Z = 0

Fiag Notation • = flag not affected D = flag leset 1 = flag set X = flag is unknown 1 = flag is affected according to the result of the operation