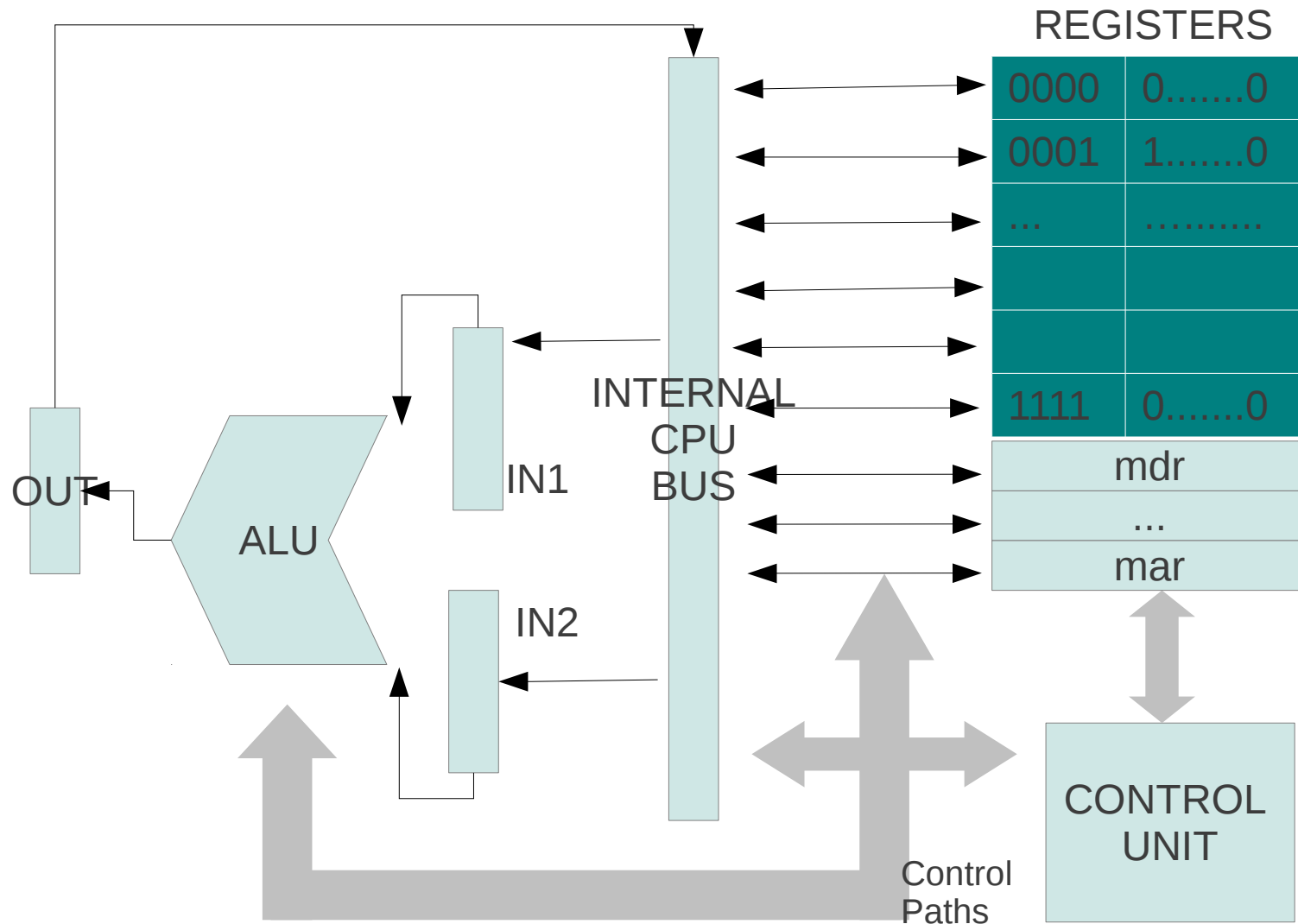


Architettura CPU con registri ad uso generale



Wombat2 instructions

INSTRUCTION	MEANING	COMMENTS
readR \$reg1	Read n \rightarrow \$reg1	Input from keyboard in \$reg1
writeR \$reg1	\$reg1 \rightarrow output	Write value of \$reg1
multiplyR \$reg1 \$reg2 \$reg3	\$reg1 * \$reg2 \rightarrow \$reg3	Multiply contents of two registers
divideR \$reg1 \$reg2 \$reg3	\$reg1 / \$reg2 \rightarrow \$reg3	Divide contents of two registers
subtractR \$reg1 \$reg2 \$reg3	\$reg1 - \$reg2 \rightarrow \$reg3	Subtract contents of two registers
addR \$reg1 \$reg2 \$reg3	\$reg1 + \$reg2 \rightarrow \$reg3	Add contents of two registers
loadR \$reg1 \$addr	Mem[addr] \rightarrow \$reg1	Load word from memory in \$reg1
storeR \$reg1 \$addr	\$reg1 \rightarrow Mem[addr]	Store word in memory from \$reg1
mtcrR \$reg1	\$reg1 \rightarrow CR	Move to condition register (for conditional jumps)
jumpzR \$addr	If CR==0 jump to \$addr	Conditional jump (CR==0)
jumpnR \$addr	If CR<0 jump to \$addr	Conditional jump (CR<0)