







**Cognitive psychology and  
Artificial Intelligence close to  
each other.**

— Mimic human cognitive activities on a computer system

**THEORIES OF COGNITIVE  
PSYCHOLOGY UNDERLYING ARTIFICIAL  
INTELLIGENCE AND DATA SCIENCE**





$$ab+ac=a(b+c)$$

$$a\left(\frac{b}{c}\right)=\frac{ab}{c}$$

$$\frac{\left(\frac{a}{b}\right)}{c}=\frac{a}{bc}$$

$$\frac{a}{\left(\frac{b}{c}\right)}=\frac{ac}{b}$$

$$\frac{a}{b}+\frac{c}{d}=\frac{ad+bc}{bd}$$

$$f(x)\leq 5$$

$$X^2-4X+5\leq 5$$

$$X^2-4X\leq 0$$

$$n(B\cap C)=22$$

$$n(B)=68$$

$$n(C)=84$$

$$n(B\cup C)=n(B)+n(C)-n(B\cap C)$$

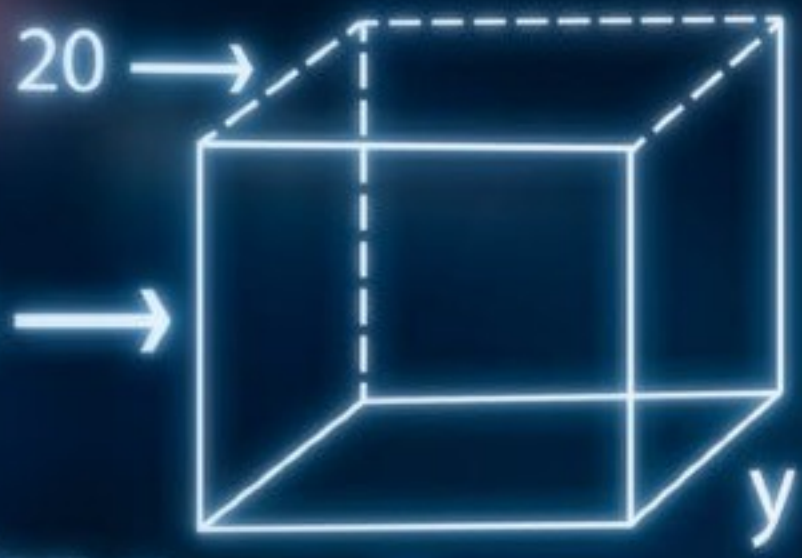
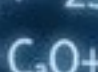
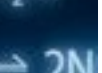
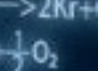
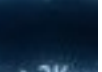
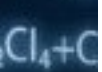
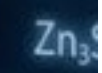


$$M=\frac{0.046765}{30L}$$

$$\sin B=\frac{4\sqrt{3}}{x}$$

$$\sin 60^\circ=\frac{4\sqrt{3}}{x}$$

$$\frac{4\sqrt{3}}{x}$$



$$\begin{aligned} He &= 4.002602 \\ Na &= 22.989769 \\ Ar &= 39.948 \end{aligned}$$



$$\begin{aligned} (100^2)a+100b \\ 10000a+100b-5 \end{aligned}$$

$$a_n=\frac{1}{2^{n-1}}=$$

$$=\frac{1}{2^9}=$$

$$y=ax+b$$

$$AB+BC=x+y$$

$$a(bc)=(ab)c$$

$$a+b=b+a$$

$$a(b+c)=ab+ac$$

$$126=6xy$$

$$2x+2y=20$$

$$x^2-a^2=(x+a)(x-a)$$

$$x^2+2ax+a^2=(x+a)^2$$

$$x^2-2ax+a^2=(x-a)^2$$

$$2+(a+b)x+ab=(x+a)(x+b)$$



























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