

INTERMEDIATE DIVISION

个人考号/Exam Cod	le:	学校/School:
1. Computer Num Convert 2019 ₁₀ order. Convert	1.	
2. Computer NumWhich of the forepresentation?a) 4765₈ b		
3. Recursive Fund $Find f(f(f(f(-5)))) = \begin{cases} f(x) = -f(x) \\ f(x) = -f(x) \end{cases}$		3.
	3	4.



2019-2020 _____ Contest #1

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5. What Does This Program Do?

5.

What is outputted when this program is executed?

$$a = 20: b = 4: c = 10: d = 2$$
if $a < b$ then
$$e = b - a$$
else
$$f = a + b$$
end if
if $b + c < a * a$ then
$$b = b + c$$
else
$$d = 2 * c$$
end if
if $c > b & a < d$ then
$$f = b + e$$
else
$$e = f - c$$
end if
if $a + d < b - c \parallel f < d + c$ then
$$a = e$$
else
$$b = f$$
end if
if $a * a < e * e \parallel f > d$ then
$$b = d * d$$
else
$$d = a * a$$
end if
if $b - a > d - a$ then
$$a = b$$
else
$$b = f$$
end if
$$x = (f/(a + d) - f/(b * d) + (e + d)/(a * b))^{\wedge}((f - e)/d)$$
print x
end



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 Computer Number Systems 将 2019₁₀ 转化成八进制,将这个规则后再转换成十六进制。 	八进制数字按照升序重新排	1.
2. Computer Number Systems 下列哪个数字转化成二进制后1的数 a) 4765 ₈ b) ABE ₁₆ c)		2.
3. Recursive Functions $ 求 f(f(f(f(-5)))), $	x < 4 4 <= x <= 6 x > 6	3.
4. Recursive Functions 已知: f(1) = 3 f(2) = 5 f(n) = 3 * f(n - 1) - f(n - 求n的最小值,使得 f(n) > 200.	4.	



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姓名/Name:_____ 个人考号/Exam Code:_____ 学校/School:_ 5. What Does This Program Do? **5.** 执行下列程序后,输出值是多少? a = 20: b = 4: c = 10: d = 2if a < b then e = b - aelse f = a + bend if if b + c < a * a then b = b + celse d = 2 * cend if if c > b && a < d then f = b + eelse e = f - cend if if a + d < b - c || f < d + c then a = eelse b = fend if if a * a < e * e || f > d then b = d * delse d = a * aend if if b - a > d - a then a = belse b = f $x = (f/(a+d) - f/(b*d) + (e+d)/(a*b))^{(f-e)/d}$ print x

end