

CASUAL ZOMBIE FACT #9

MENTAL ABILITY

In some rare instances, brain activity and intelligence are preserved in zombies, allowing them to perform basic mathematical operations and transformations.

$$R(A(r,r,r)) = \text{"BBBRRRRRAAAIIINNN"} \text{ where } r = N(\text{"BRAAIN"})$$

$$S(\text{"BBBRRRAAAAIIN"}) = \text{"BBRRRAAAAIIN"} = A(\text{"RAAA"}, \text{"BBRAAIIN"})$$

$$I(\text{"BBBRRRAAAAIIN"}) = N(\text{"BBBRAAIIN"}) = R(\text{"BRRAAAAIINNN"})$$

$$B^{-1}(\text{"BRAIN"}) = \text{"BBRRRRRRRRRRRRRRRAIIIIIIINNNNNNNNNNNNNNN"}$$

$$S(\text{"RAAIIN"}) = \text{undefined and } S(r) = \text{"RRAIIN"}$$

$$\lim_{n \rightarrow \infty} R^{(n)}(x) = \text{""} \text{ and } I(I(x)) = x \text{ and } N^{(5)}(x) = x \text{ for all values of } x$$

$$A(A, B) = \text{"BRAIN"} \text{ and } B \neq \text{""}$$

$$R = N(S(A(A, B, B, B)))$$

$$A = N(I(A)) \text{ and both } S(A) \text{ and } S(N(A)) \text{ are defined}$$

$$A(I(B), I) = A(A, A, A, A, B)$$

$$N = A(R, N^{-1}(R))$$

$$S = A(I, I, I, I)$$

$$\text{ANSWER} = B(R(A(I(N), S)))$$

HINT: You might find this puzzle easier if you write out the variables like "BBRRRRRAAIINNN", as [2,5,2,1,4] for instance