

# 14 solutions to the model of nuclear war

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## Abstract

In this paper, I describe 14 solutions to the model of nuclear war.  
The paper ends with "The End"

## Introduction

In a previous paper, I've described a model of nuclear war based on the Y and Z scores of the states.  
In this paper, I describe 14 solutions to the model of nuclear war.

## 14 solutions to the model of nuclear war

1.  $n_A = 9, n_B = 9, \beta_A = 18, \gamma_A = 92, \beta_B = 3, \gamma_B = 60, M_A = 73, W_A = 46, P_A = 75, M_B = 50, W_B = 12, P_B = 77, m_A = \frac{101}{3}, m_B = \frac{31}{9},$

$$D_A = 74, D_B = \frac{148 \left( 46 \log \left( \frac{75}{2} \right) + 9 \log \left( \frac{138}{37} \right) \right)}{3 \left( 20 \log \left( \frac{77}{27} \right) + \log \left( \frac{108}{77} \right) \right)}$$

2.  $n_A = 48, n_B = 35, \beta_A = 21, \gamma_A = 70, \beta_B = 49, \gamma_B = 23, M_A = 68, W_A = 41, P_A = 72, M_B = 44, W_B = 28, P_B = 105, m_A = \frac{70}{3}, m_B = \frac{11}{2},$

$$D_A = 30, D_B = \frac{1225 \left( 10 \log(18) + 3 \log \left( \frac{123}{53} \right) \right)}{8 \left( 49 \log \left( \frac{56}{45} \right) + 23 \log \left( \frac{105}{61} \right) \right)}$$

3.  $n_A = 360, n_B = 23, \beta_A = 68, \gamma_A = 94, \beta_B = 32, \gamma_B = 94, M_A = 30, W_A = 53, P_A = 78, M_B = 68, W_B = 20, P_B = 84, m_A = \frac{75}{2}, m_B = \frac{91}{6}$

$$D_A = 8, D_B = \frac{23 \left( 47 \log \left( \frac{13}{8} \right) + 34 \log \left( \frac{106}{31} \right) \right)}{45 \left( 47 \log \left( \frac{21}{4} \right) + 16 \log \left( \frac{120}{29} \right) \right)}$$

$$4. n_A = 390, n_B = 20, \beta_A = 40, \gamma_A = 20, \beta_B = 69, \gamma_B = 34, M_A = 99, W_A = 61, P_A = 135, M_B = 80, W_B = 37, P_B = 136, m_A = 28, m_B = \frac{16}{3}$$

$$D_A = 20, D_B = \frac{800 \log\left(\frac{18605}{1452}\right)}{39 \left(34 \log\left(\frac{17}{7}\right) + 69 \log\left(\frac{111}{95}\right)\right)}$$

$$5. n_A = 549, n_B = 21, \beta_A = 22, \gamma_A = 9, \beta_B = 20, \gamma_B = 33, M_A = 65, W_A = 4, P_A = 135, M_B = 79, W_B = 69, P_B = 142, m_A = \frac{89}{26}, m_B = \frac{17}{2},$$

$$D_A = 41, D_B = \frac{287 \left(9 \log\left(\frac{27}{14}\right) + 22 \log\left(\frac{104}{15}\right)\right)}{183 \left(33 \log\left(\frac{142}{63}\right) + 20 \log\left(\frac{138}{121}\right)\right)}$$

$$6. n_A = 603, n_B = 90, \beta_A = 59, \gamma_A = 35, \beta_B = 95, \gamma_B = 93, M_A = 8, W_A = 90, P_A = 50, M_B = 29, W_B = 24, P_B = 128, m_A = 33, m_B = \frac{36}{5},$$

$$D_A = 52, D_B = \frac{520 \left(59 \log\left(\frac{30}{19}\right) + 35 \log\left(\frac{25}{21}\right)\right)}{67 \left(95 \log\left(\frac{10}{7}\right) + 93 \log\left(\frac{128}{99}\right)\right)}$$

$$7. n_A = 782, n_B = 41, \beta_A = 32, \gamma_A = 9, \beta_B = 57, \gamma_B = 61, M_A = 38, W_A = 6, P_A = 52, M_B = 32, W_B = 7, P_B = 120, m_A = \frac{86}{17}, m_B = \frac{19}{15}$$

$$D_A = 56, D_B = \frac{1148 \left(9 \log\left(\frac{26}{7}\right) + 32 \log\left(\frac{51}{8}\right)\right)}{391 \left(61 \log\left(\frac{15}{11}\right) + 57 \log\left(\frac{105}{86}\right)\right)}$$

$$8. n_A = 930, n_B = 96, \beta_A = 43, \gamma_A = 3, \beta_B = 99, \gamma_B = 92, M_A = 60, W_A = 29, P_A = 141, M_B = 1, W_B = 64, P_B = 55, m_A = \frac{93}{4}, m_B = \frac{57}{2}$$

$$D_A = 12, D_B = \frac{192 \left(43 \log\left(\frac{116}{23}\right) + 3 \log\left(\frac{47}{27}\right)\right)}{155 \left(92 \log\left(\frac{55}{54}\right) + 99 \log\left(\frac{128}{71}\right)\right)}$$

$$9. n_A = 977, n_B = 98, \beta_A = 26, \gamma_A = 33, \beta_B = 81, \gamma_B = 76, M_A = 100, W_A = 49, P_A = 190, M_B = 21, W_B = 24, P_B = 61, m_A = \frac{38}{3}, m_B = \frac{72}{5}$$

$$D_A = 2, D_B = \frac{196 \left(33 \log\left(\frac{19}{9}\right) + 26 \log\left(\frac{147}{109}\right)\right)}{977 \left(81 \log\left(\frac{5}{2}\right) + 76 \log\left(\frac{61}{40}\right)\right)}$$

$$10. n_A = 1007, n_B = 72, \beta_A = 80, \gamma_A = 39, \beta_B = 90, \gamma_B = 47, M_A = 76, W_A = 44, P_A = 152, M_B = 84, W_B = 73, P_B = 93, m_A = 33, m_B = \frac{55}{2}$$

$$D_A = 6, D_B = \frac{85968 \log(2)}{1007 \left( 47 \log\left(\frac{31}{3}\right) + 90 \log\left(\frac{146}{91}\right) \right)}$$

$$11. n_A = 1039, n_B = 15, \beta_A = 38, \gamma_A = 23, \beta_B = 18, \gamma_B = 86, M_A = 61, W_A = 31, P_A = 85, M_B = 54, W_B = 39, P_B = 128, m_A = \frac{17}{4}, m_B = \frac{67}{3}$$

$$D_A = 83, D_B = \frac{1245 \left( 23 \log\left(\frac{85}{24}\right) + 38 \log\left(\frac{124}{107}\right) \right)}{2078 \left( 43 \log\left(\frac{64}{37}\right) + 9 \log\left(\frac{117}{50}\right) \right)}$$

$$12. n_A = 1062, n_B = 91, \beta_A = 56, \gamma_A = 21, \beta_B = 83, \gamma_B = 101, M_A = 84, W_A = 9, P_A = 92, M_B = 8, W_B = 79, P_B = 32, m_A = \frac{25}{6}, m_B = \frac{73}{2}$$

$$D_A = 17, D_B = \frac{10829 \left( 3 \log\left(\frac{23}{2}\right) + 8 \log\left(\frac{54}{29}\right) \right)}{1062 \left( 101 \log\left(\frac{4}{3}\right) + 83 \log\left(\frac{158}{85}\right) \right)}$$

$$13. n_A = 1218, n_B = 46, \beta_A = 52, \gamma_A = 26, \beta_B = 80, \gamma_B = 75, M_A = 32, W_A = 39, P_A = 45, M_B = 91, W_B = 97, P_B = 96, m_A = \frac{80}{3}, m_B = 39$$

$$D_A = 14, D_B = \frac{1196 \log\left(\frac{47385}{1369}\right)}{435 \left( 15 \log\left(\frac{96}{5}\right) + 16 \log\left(\frac{97}{58}\right) \right)}$$

$$14. n_A = 1247, n_B = 20, \beta_A = 93, \gamma_A = 20, \beta_B = 80, \gamma_B = 34, M_A = 33, W_A = 85, P_A = 76, M_B = 78, W_B = 26, P_B = 123, m_A = 10, m_B = \frac{77}{4}$$

$$D_A = 39, D_B = \frac{390 \left( 93 \log\left(\frac{17}{15}\right) + 20 \log\left(\frac{76}{43}\right) \right)}{1247 \left( 17 \log\left(\frac{41}{15}\right) + 40 \log\left(\frac{104}{27}\right) \right)}$$

**The End**