

1. Resuelve la ecuación:

1. $2(x-1)-6 = 3(x-3)$
5. $x+2+3x-7 = 3(x-1)$
9. $2(x-1)-2(x-3)-x = 8$
13. $x-3+12 = 3x-3(x-3)$
17. $1-3(3x-1)+11x = 3-x$
21. $1-3x-8 = 2(2x-3)-6x$
25. $2x+8x-6 = 3(3x-1)-3$
29. $3x-3(3x-3)-6 = 2-7x$
33. $7x-2(3x-2)-3x-3 = 2$
37. $6x-2(2x+3)+9 = 3x+1$
41. $3x+1-2 = 10x-3(2x+1)$
45. $3+10x-10 = 3(2x-3)+x$
49. $2(x+2)+2(2x+2)-4 = 5x$
53. $2x-2(3x-2) = 14-3(x+3)$
57. $3(2x+3)-14x = 4-2(2x-2)$

[Comp.det.]

2. Resuelve la ecuación:

1. $1-2x = 3-2(x+1)$
5. $3(x+3)-2x-7 = 2+x$
9. $2x-3-4x = 1-2(x+2)$
13. $3(x+2)+2x-3 = 3+5x$
17. $2-2(3x-1) = 2(x+2)-8x$

[Comp.ind.]

3. Resuelve la ecuación:

1. $2(x-1)-2x = 1$
5. $2(3x-3)+1 = 9x-3x$
9. $2(3x+3)-7x-5 = 3-x$
13. $2(3x+1)-3x-3 = 3x+2$
17. $2(3x-3)-3(x-3) = 3x+8$

[Incomp.]

4. Resuelve la ecuación:

1. $\frac{25}{27} - \frac{x-1}{9} = 1$
5. $\frac{3x}{10} + \frac{3x+1}{5} = x$
9. $\frac{x+2}{9} - \frac{3x-13}{18} = 1$
13. $\frac{5x+13}{12} + \frac{x-2}{2} = x$
17. $\frac{2x+3}{12} - \frac{x-6}{8} - 1 = 0$
21. $\frac{3(x+2)}{16} + \frac{2x-1}{2} = x$
25. $\frac{3x+13}{18} - \frac{2(x-1)}{9} = 1$
29. $\frac{3(x+1)}{2} - 2 = \frac{21x-4}{16}$

2. $2x-2(x-3)-2x = 3$
6. $2(3x-2)-x+3 = x-2$
10. $6-2-6x = x-3(2x-1)$
14. $2(3x+1)+2-4x-8 = x$
18. $2(x+2)-5x-2 = 2-2x$
22. $x-3(3x+3)+14 = 1-5x$
26. $3(3x+2)-x-10x-5 = 2$
30. $2(2x+3)-4x-1 = 3x+3$
34. $3(x+3)+2x-10 = 3x-2$
38. $x-3(3x-3)-1+10x = 11$
42. $3(3x+2)+3x-11x = 8-1$
46. $1-3x+6 = 3(3x+3)-13x$
50. $3(x+1)-6 = 12x-2(3x+1)$
54. $3(2x+2)-3(3x+2) = 1-2x$
58. $3(3x+2)-2(3x-3)-4x = 10$
3. $-13(x-2)-x = 4-6x$
7. $6x-1-3(2x-1)-1 = x$
11. $x-2(3x-2)-1 = 3x-4$
15. $2x-2-3x-3 = 3(x-2)$
19. $5x-3x+9 = 3(x+1)+3$
23. $2x-3-4x = 2-2(3x+1)$
27. $13-3x-3(x+3) = 3-3x$
31. $2x-2(2x+3)+6 = 1-3x$
35. $2x-1+8x+8 = 2(3x+3)$
39. $2(3x+3)+2x-7x-5 = 2$
43. $2(x-1)-2(2x-3) = 2x+1$
47. $7x-2-3(2x+3) = 2x-13$
51. $5x-3(2x-3) = 2(x-1)+15$
55. $6x-3(x+1)-2(2x+3)+8 = 0$
59. $2(2x+2)+3(2x+1)-4 = 12x$
4. $9-x-1 = x-3(2x-3)$
8. $2(x-1)-1-2 = 7x-2x$
12. $14-x-3(x+3) = 3-3x$
16. $3-x-2(2x-2) = 6-6x$
20. $6x-1-3x-1 = 2(2x-2)$
24. $x+2+11x = 3(3x+3)-6$
28. $3(x+3)-3x-10 = 2+2x$
32. $2(2x-3)+2x+4 = 5x-1$
36. $4-3x-3(3x+1) = 1-11x$
40. $1-3x-1 = 2(3x-2)-12x$
44. $11x-3(3x-3)-6 = 3x+2$
48. $3(3x+2)+3x-5 = 10x-2$
52. $3(x+1)+3(2x-2) = 10x-3$
56. $2(3x+1)+8 = 15x-2(3x-3)$
60. $14x-3(3x+2) = 3(2x+3)-14$

3. $3(x-1)+1+2 = 2x+x$
6. $2(2x-1)-x+1 = 3x-1$
10. $2(3x-1)-x+5 = 3+5x$
14. $1-2x+11x-4 = 3(3x-1)$
18. $3(2x-2)-3(x-3) = 3x+3$
3. $3(x-1)-1+2 = 2x+x$
7. $2(3x-1)+3-5x-1 = x$
11. $5x-2(x-3)-3x-3 = 3$
15. $2(2x-3)+3x-2+8 = 7x$
19. $2(3x+2)+5 = 3(x+3)+3x$
4. $3(3x+1)-3 = 10x-x$
8. $2(3x-3)-1+7 = 7x-x$
12. $x+5x+5 = 2(3x+1)+3$
16. $5x-2(x-3)-3(x-2) = 12$
20. $2(3x+3)-2(x-2)-10 = 4x$

2. $2(x+3)+2-4 = 2x$
6. $4x-2(x-1)-2x-7 = 2$
10. $2(3x-1)+2x+3 = 8x-1$
14. $3(2x-1)+3x+5 = 9x-3$
18. $10x-2(3x+2) = 2(2x+1)$
3. $3(x+1)-2-4x = 7-x$
7. $3(x+1)+2+1 = 5x-2x$
11. $1-3(3x-2)+6x = 6-3x$
15. $9x-3x-2 = 2(3x-3)+2$
19. $3(2x+3)-4x = 2(x+3)+8$
4. $2-3(x+2)+9 = x-4x$
8. $4-2(x+1)-3x = 3-5x$
12. $3(3x+3)-3(3x-1) = 18$
16. $3(2x+3)-2x-11 = 3+4x$
20. $3(x-1)-3(2x-3) = 12-3x$

[Comp.det.]

2. $\frac{5}{12} - \frac{x-3}{6} = 1$
6. $\frac{x+6}{8} + 1 = \frac{2x+1}{4}$
10. $\frac{21x-2}{24} + \frac{x+1}{12} = x$
14. $-\frac{2x-25}{30} - \frac{x-3}{15} = 1$
18. $\frac{14x-13}{30} + \frac{x+1}{2} = x$
22. $\frac{4x+3}{5} + \frac{x+2}{2} - x = 2$
26. $x - \frac{x+10}{27} - \frac{3x-1}{10} = 0$
30. $x - \frac{x+2}{4} + 1 = \frac{13x+9}{20}$
3. $\frac{x}{2} + \frac{3x-1}{5} = x$
7. $\frac{6x+7}{16} - \frac{x-3}{8} = 1$
11. $\frac{17x-6}{24} + \frac{x+1}{3} = x$
15. $x - \frac{x-1}{3} = \frac{17x+10}{27}$
19. $\frac{3x+2}{10} - \frac{2x-17}{20} = 1$
23. $x - \frac{2x-1}{3} - \frac{3x-5}{6} = 1$
27. $\frac{11x+14}{16} - 1 = x - \frac{x-1}{8}$
31. $\frac{3(3x-1)}{16} + \frac{3x+1}{8} = 1$
4. $\frac{17x}{18} + \frac{x+1}{6} = x$
8. $\frac{9x+7}{16} + \frac{x-1}{2} = x$
12. $\frac{2x+3}{6} + \frac{2x-1}{4} = x$
16. $\frac{x+2}{6} + \frac{2x+1}{2} - x = 1$
20. $2 - \frac{2x+3}{2} = \frac{x+6}{8} - x$
24. $x - \frac{2x-1}{2} - \frac{2x-17}{16} = 1$
28. $\frac{5x+7}{9} + \frac{3x+1}{6} - x = 1$
32. $x - \frac{x-1}{3} - 1 = \frac{21x-22}{27}$

33. $x - \frac{3x-5}{12} - \frac{2(x-1)}{3} = 1$

34. $x - \frac{3x-5}{6} - \frac{2(x-1)}{3} = 1$

35. $x - \frac{x-2}{3} = \frac{19x-10}{30} + 1$

36. $x - \frac{2x-1}{4} - \frac{5(x-2)}{12} = 1$

37. $\frac{9x-16}{15} + \frac{3x+2}{2} = 2x$

38. $\frac{13x+12}{16} + \frac{x+2}{8} - x = 1$

39. $\frac{14x+9}{16} + \frac{3x+2}{8} - x = 1$

40. $x - \frac{8x-25}{27} - 2 = \frac{2x-3}{3}$

41. $x - \frac{2x-1}{6} - \frac{13x-14}{18} = 1$

42. $x - \frac{3x-1}{8} - \frac{12x-13}{16} = 1$

43. $\frac{2x-1}{4} + 1 = x - \frac{3(2x-3)}{10}$

44. $\frac{4x+3}{6} + \frac{3(x+1)}{2} - 2x = 2$

45. $\frac{2(7x+4)}{15} - 2x = 1 - \frac{2x+1}{2}$

46. $\frac{1}{10} + \frac{3}{5}(x+1) - \frac{x-1}{2} = 1$

47. $\frac{3x+1}{3} - \frac{11}{12}x + \frac{x+3}{4} = 1$

48. $\frac{4x+1}{6} - \frac{3x-2}{2} + \frac{x+3}{3} = 2$

49. $\frac{x+1}{2} - \frac{2x-13}{16} - \frac{2x+1}{4} = 1$

50. $\frac{2x+3}{2} - \frac{3x-4}{8} = \frac{x-2}{4} + 2$

51. $\frac{5x+6}{18} - \frac{x-3}{6} - \frac{2}{9}(x-1) = 1$

52. $1 - \frac{2x+3}{3} - \frac{1}{6} = \frac{3x-1}{2} - 2x$

53. $\frac{x-1}{2} - \frac{14x+3}{18} + x = \frac{2}{3}(x-1)$

54. $\frac{2x+3}{3} + \frac{x-1}{9} - x = 1 + \frac{5x+3}{27}$

55. $\frac{11x-1}{16} - \frac{x+3}{4} + \frac{3x+2}{2} = 2x$

56. $x - \frac{x+1}{2} - \frac{3}{8}(x-1) = \frac{x-15}{16} + 1$

57. $\frac{2x+3}{2} - \frac{23x-6}{16} + \frac{3x+1}{8} = 2$

58. $x - \frac{x+1}{3} = \frac{2}{27}(10x-3) - \frac{x+1}{9}$

59. $\frac{15x+19}{24} - \frac{x-3}{12} + \frac{x+2}{2} - x = 2$

60. $\frac{x+6}{20} + \frac{3x+1}{2} + \frac{3x+1}{10} - 2x = 1$

5. Resuelve la ecuación:

1. $\frac{1}{3} - 1 = x - \frac{3x+2}{3}$

2. $\frac{x+1}{2} - x = 1 - \frac{x+1}{2}$

3. $\frac{2x+1}{8} - 1 = x - \frac{6x+7}{8}$

4. $\frac{1}{4} + \frac{2x-3}{4} = x - \frac{x+1}{2}$

5. $\frac{5x}{6} - \frac{x-3}{3} + \frac{x-2}{2} = x$

6. $\frac{5x-3}{8} + \frac{x+1}{2} - \frac{x+1}{8} = x$

7. $\frac{x+2}{6} - \frac{x-2}{6} = x - \frac{3x-2}{3}$

8. $2x - \frac{2x-1}{2} - \frac{x}{4} = \frac{3x+2}{4}$

9. $\frac{5x+1}{9} - \frac{2x-3}{3} + \frac{x+1}{9} = 1$

10. $\frac{x-2}{3} - \frac{2x-1}{6} = x - \frac{2x+1}{2}$

11. $x - \frac{x-3}{2} - 1 = \frac{5x-1}{6} - \frac{x-2}{3}$

12. $\frac{10x+7}{9} - \frac{3x-1}{3} - \frac{x+1}{9} = 1$

6. Resuelve la ecuación:

1. $\frac{x+2}{2} = x - \frac{3x-8}{6}$

2. $\frac{7}{18} + \frac{3x+1}{3} - x = 1$

3. $\frac{x-1}{6} = x - \frac{20x-1}{24}$

4. $\frac{25x-2}{30} + \frac{x-1}{6} = x$

5. $\frac{9x+14}{18} - x = 1 - \frac{x+1}{2}$

6. $x - \frac{x-1}{2} - \frac{4x-7}{8} - 1 = 0$

7. $x - \frac{3(x+1)}{5} - 1 = \frac{4x-9}{10}$

8. $\frac{18x-25}{27} + 1 = x - \frac{3x-1}{9}$

9. $\frac{20x+11}{24} + \frac{2x+3}{12} - x = 1$

10. $\frac{2x-1}{2} - \frac{x-1}{5} = x - \frac{2x-3}{10}$

11. $\frac{3x-8}{6} + \frac{3x+1}{3} - \frac{x-3}{2} = x$

12. $x - \frac{10x+13}{24} - \frac{x-2}{2} = \frac{x+3}{12}$

7. Resuelve la ecuación:

1. $\frac{9}{4} - \frac{x+1}{4x} - \frac{4x+3}{4x-4} = \frac{x-1}{x}$

2. $\frac{7}{3x} - \frac{1}{x} - \frac{3x+2}{3x^2} - \frac{1}{6x} = 0$

3. $\frac{x-2}{x-1} - \frac{x^2+x+1}{x^2-1} + \frac{x-1}{x+1} = 1$

4. $\frac{x-1}{x} + \frac{x+3}{6x-3} + \frac{x+1}{2x-1} = \frac{5}{3}$

5. $\frac{7}{3} - \frac{2x-3}{2x-4} - \frac{x+1}{x} = \frac{2x-5}{6x}$

6. $\frac{x+1}{x} + \frac{x^2+x-1}{2x^2-x} + \frac{x-1}{2x-1} = 2$

7. $\frac{x-1}{x} + \frac{x+7}{x+2} + \frac{x^2+x+1}{x^2+2x} = 3$

8. $\frac{x+1}{2x} - \frac{x^2+x+3}{2x^2+2x} + \frac{x-1}{x+1} = 1$

9. $3 - \frac{x-4}{x-3} - \frac{x^2+x+1}{x^2-9} = \frac{x+5}{x+3}$

10. $3 - \frac{x^2+x-9}{x^2-4} - \frac{x}{x-2} = \frac{x+1}{x+2}$

11. $\frac{x-1}{x+1} + \frac{x+5}{x-1} - \frac{x^2+x+11}{x^2-1} = 1$

12. $\frac{x-1}{x} + \frac{x^2+x-3}{2x^2+x} + \frac{x+1}{2x+1} = 2$

13. $\frac{x-2}{2x} + \frac{x^2+x+3}{4x^2} + \frac{x+1}{x} = \frac{7}{4}$

14. $\frac{3}{2} - \frac{x-2}{2x-1} - \frac{x+1}{2x} = \frac{x^2+x-1}{2x^2-x}$

15. $\frac{x+1}{x-2} + \frac{x-1}{x+2} + \frac{x^2+x-16}{x^2-4} = 3$

16. $\frac{3}{2} - \frac{x-9}{4x-4} - \frac{x+1}{x-1} = \frac{x^2+x-4}{4x^2-4}$

17. $\frac{x+1}{x+3} + \frac{x^2+x-19}{x^2+3x} + \frac{x+6}{x} = 3$

18. $\frac{x^2+x-32}{x^2-9} + \frac{x-1}{x+3} + \frac{x+1}{x-3} = 3$

19. $\frac{x+1}{2x-3} + \frac{x-2}{x} + \frac{x^2+x-3}{2x^2-3x} = 2$

20. $\frac{x-5}{2x^2+2x} + \frac{1}{x} = \frac{1}{2x+2} - \frac{1}{2x}$

21. $\frac{5}{3} - \frac{3x+7}{9x+6} - \frac{x-1}{x} = \frac{x^2+x+1}{3x^2+2x}$

22. $\frac{x+1}{3x} + \frac{x-1}{x} = \frac{7}{3} - \frac{3x^2+3x-1}{3x^2}$

23. $\frac{2x-1}{2x-4} + \frac{2x-3}{2x} + \frac{x^2+x+1}{x^2-2x} = 3$

24. $\frac{5}{3} - \frac{x+1}{x} - \frac{x^2+x+3}{3x^2-2x} = \frac{3x-13}{9x-6}$

25. $\frac{x+5}{4x+4} + \frac{x-6}{4x-4} = \frac{3}{2} - \frac{x^2+x+1}{x^2-1}$

26. $\frac{x+1}{3x} + \frac{3x^2+3x+2}{9x^2-3x} = 1 - \frac{3x-7}{9x-3}$

27. $\frac{2}{3x+1} - \frac{x+1}{9x^2+3x} + \frac{1}{9x+3} = \frac{1}{x}$

28. $\frac{5}{4} - \frac{12x+31}{24x+36} - \frac{x+1}{4x+6} = \frac{3x+1}{6x}$

8. Resuelve la ecuación:

[Sol. falsa]

$$\begin{array}{llll}
1. \frac{1}{3x} - \frac{x-6}{6x^2} = \frac{1}{x} - \frac{x-1}{x^2} & 2. \frac{x+1}{x+2} + \frac{x+1}{2x} + \frac{x+4}{2x+4} = 2 & 3. \frac{x-1}{2x-1} + \frac{x+1}{3x} + \frac{x+1}{6x-3} = 1 & 4. \frac{x-3}{6x^2} + \frac{x+1}{2x^2} = \frac{5}{6x} - \frac{1}{3x} \\
5. 1 - \frac{x+1}{x-1} = \frac{x-1}{x+1} - \frac{x^2+x+4}{x^2-1} & 6. \frac{x^2-x-6}{x^2-4} - \frac{x-1}{x+2} = 1 - \frac{x-3}{x-2} & 7. \frac{x-4}{x-1} + \frac{x+2}{x} + \frac{x^2+x+1}{x^2-x} = 3 & 8. \frac{x+1}{x-3} + \frac{x^2+x-21}{x^2-3x} + \frac{x-7}{x} = 3 \\
9. \frac{x+4}{2x+2} - \frac{x^2+x+1}{2x^2+2x} + \frac{x-1}{x+1} = 1 & 10. 3 - \frac{2x-5}{2x-2} - \frac{x^2+x+1}{x^2-1} = \frac{2x+5}{2x+2} & 11. 3 - \frac{3x-19}{3x-9} - \frac{x^2+x+1}{x^2-3x} = \frac{3x+1}{3x} & 12. 3 - \frac{4x-11}{4x-8} - \frac{x^2+x+1}{x^2-4} = \frac{4x+11}{4x+8}
\end{array}$$

9. Resuelve la ecuación: [Comp.ind.]

$$\begin{array}{llll}
1. \frac{7}{4} - \frac{x+1}{2x} - \frac{x-6}{4x} = \frac{x+1}{x} & 2. \frac{x-1}{x+1} - \frac{x^2+x+2}{x^2+x} + \frac{x+2}{x} = 1 & 3. \frac{x-4}{x} + \frac{x^2+x-4}{x^2-x} + \frac{x+1}{x-1} = 3 & 4. \frac{13}{9} - \frac{x-12}{9x} - \frac{x+1}{x} - \frac{x+1}{3x} = 0 \\
5. \frac{x-2}{2x^2-3x} + \frac{1}{6x-9} = \frac{1}{x} - \frac{1}{3x} & 6. \frac{x+4}{3x+3} + \frac{x^2+x+1}{x^2+x} = \frac{5}{3} - \frac{x-3}{3x} & 7. 2 - \frac{x+2}{2x+1} - \frac{x-1}{x} - \frac{x^2+x+1}{2x^2+x} = 0 & 8. \frac{x+2}{x-1} - \frac{x^2+x+4}{x^2-1} + \frac{x-1}{x+1} = 1 \\
9. \frac{x^2+x-36}{x^2-9} + \frac{x-2}{x+3} + \frac{x+1}{x-3} = 3 & 10. \frac{x^2+x+6}{6x^2+6x} + \frac{x+1}{x} = \frac{4}{3} - \frac{x-9}{6x-6} & 11. \frac{5}{3} - \frac{x^2+x+1}{3x^2-x} - \frac{3x-14}{9x-3} = \frac{x+1}{x} & 12. \frac{5}{6} - \frac{x^2+x-3}{6x^2} - \frac{x-4}{6x} = \frac{x^2+x+1}{2x^2}
\end{array}$$

10. Resuelve la ecuación: [Incomp.]

$$\begin{array}{llll}
1. \frac{x^2-x+6}{x^2-1} - 1 = \frac{x-1}{x+1} - \frac{x-2}{x-1} & 2. 3 - \frac{x+4}{x} - \frac{x-3}{x+1} = \frac{x^2+x+1}{x^2+x} & 3. \frac{x-1}{5x^2} + \frac{x+1}{3x^2} = \frac{3}{5x} - \frac{x+1}{15x^2} & 4. \frac{x^2+x+4}{3x^2+3x} + \frac{x-3}{3x} = \frac{5}{3} - \frac{x+1}{x} \\
5. \frac{x^2+x-17}{x^2-9} + \frac{x-2}{x-3} + \frac{x+1}{x+3} = 3 & 6. \frac{x+1}{3x^2-2x} + \frac{1}{3x-2} = \frac{5}{3x} - \frac{1}{x} & 7. \frac{1}{x} + \frac{x-1}{6x^2+3x} + \frac{1}{3x} = \frac{3}{2x+1} & 8. \frac{7}{6} - \frac{x+1}{3x+2} - \frac{x+1}{2x} = \frac{6x-7}{18x+12} \\
9. \frac{x+1}{2x^2-2x} + \frac{1}{x-1} + \frac{1}{2x} - \frac{2}{x} = 0 & 10. 2 - \frac{x^2+x-1}{2x^2} - \frac{x-3}{2x} = \frac{x^2+x+1}{x^2} & 11. \frac{x-2}{x+2} + \frac{(x+4)(x-3)}{x^2-4} + \frac{x+1}{x-2} = 3 & 12. \frac{x-2}{x+1} - 3 + \frac{x^2+x-10}{x^2-1} + \frac{x+1}{x-1} = 0
\end{array}$$

Soluciones

$$\begin{array}{llll}
1.1. 1 & 1.2. \frac{3}{2} & 1.3. -\frac{3}{2} & 1.4. \frac{1}{4} \\
1.5. 2 & 1.6. -\frac{1}{4} & 1.7. 1 & 1.8. -\frac{1}{3} \\
1.9. -4 & 1.10. 1 & 1.11. 0 & 1.12. 2 \\
1.13. 0 & 1.14. 4 & 1.15. \frac{1}{4} & 1.16. -1 \\
1.17. -\frac{1}{3} & 1.18. 0 & & \\
1.19. 3 & 1.20. 2 & 1.21. -1 & 1.22. \frac{4}{3} \\
1.23. \frac{3}{4} & 1.24. \frac{1}{3} & 1.25. 0 & 1.26. -\frac{1}{2} \\
1.27. \frac{1}{3} & 1.28. -\frac{3}{2} & 1.29. -1 & 1.30. \frac{2}{3} \\
1.31. 1 & 1.32. 1 & 1.33. -\frac{1}{2} & 1.34. -\frac{1}{2} \\
1.35. -\frac{1}{4} & 1.36. 0 & 1.37. 2 & 1.38. \frac{3}{2} \\
1.39. 1 & 1.40. -\frac{4}{3} & 1.41. 2 & 1.42. 1 \\
1.43. \frac{3}{4} & 1.44. 1 & 1.45. -\frac{2}{3} & 1.46. 2 \\
1.47. 2 & 1.48. -\frac{3}{2} & 1.49. -4 & 1.50. -\frac{1}{3} \\
1.51. -\frac{4}{3} & 1.52. 0 & 1.53. -1 & 1.54. -1 \\
1.55. -1 & 1.56. \frac{4}{3} & 1.57. \frac{1}{4} & 1.58. 2 \\
1.59. \frac{3}{2} & 1.60. -1 & 2.1. comp.ind. & 2.2. comp.ind. \\
2.3. comp.ind. & 2.4. comp.ind. & & \\
2.5. comp.ind. & 2.6. comp.ind. & 2.7. comp.ind. & 2.8. comp.ind. \\
2.9. comp.ind. & 2.10. comp.ind. & 2.11. comp.ind. & 2.12. comp.ind. \\
2.13. comp.ind. & 2.14. comp.ind. & 2.15. comp.ind. & 2.16. comp.ind. \\
2.17. comp.ind. & 2.18. comp.ind. & 2.19. comp.ind. & 2.20. comp.ind. \\
3.1. inc. & 3.2. inc. & 3.3. inc. & 3.4. inc. \\
3.5. inc. & 3.6. inc. & 3.7. inc. & 3.8. inc. \\
3.9. inc. & 3.10. inc. & 3.11. inc. & 3.12. inc. \\
3.13. inc. & 3.14. inc. & 3.15. inc. & 3.16. inc. \\
3.17. inc. & 3.18. inc. & 3.19. inc. & 3.20. inc. \\
4.1. \frac{1}{3} & 4.2. -\frac{1}{2} & 4.3. 2 & 4.4. -\frac{3}{2} \\
4.5. 2 & 4.6. -\frac{4}{3} & 4.7. \frac{3}{4} & 4.8. 1 \\
4.9. -1 & 4.10. 0 & 4.11. -2 & 4.12. \frac{3}{2} \\
4.13. 1 & 4.14. \frac{1}{4} & 4.15. 1 & 4.16. 1 \\
4.17. 0 & 4.18. 2 & 4.19. 0 \\
4.20. -2 & 4.21. \frac{2}{3} & 4.22. \frac{4}{3} & 4.23. 1 \\
4.24. \frac{1}{2} & 4.25. -1 & 4.26. -1 & 4.27. -\frac{4}{3} \\
4.28. 1 & 4.29. \frac{4}{3} & 4.30. -\frac{1}{2} & 4.31. -1 \\
4.32. \frac{4}{3} & 4.33. -1 & 4.34. 3 & 4.35. 0 \\
4.36. -1 & 4.37. \frac{2}{3} & 4.38. 0 & 4.39. \frac{3}{4} \\
4.40. 2 & 4.41. -1 & 4.42. -\frac{1}{2} & 4.43. \frac{3}{2} \\
4.44. 0 & 4.45. \frac{1}{2} & 4.46. -2 & 4.47. -\frac{1}{4} \\
4.48. \frac{1}{3} & 4.49. \frac{1}{2} & 4.50. -\frac{4}{3} & 4.51. \frac{1}{2} \\
4.52. 2 & 4.53. 0 & 4.54. 0 & 4.55. 3 \\
4.56. 3 & 4.57. 0 & 4.58. 0 & 4.59. -1 \\
4.60. -\frac{2}{3} & 5.1. comp.ind. & 5.2. comp.ind. & 5.3. comp.ind. \\
5.4. comp.ind. & 5.5. comp.ind. & 5.6. comp.ind. & 5.7. comp.ind. \\
5.8. comp.ind. & 5.9. comp.ind. & 5.10. comp.ind. & 5.11. comp.ind. \\
5.12. comp.ind. & 6.1. inc. & 6.2. inc. & 6.3. inc. \\
6.4. inc. & 6.5. inc. & 6.6. inc. & 6.7. inc. \\
6.8. inc. & 6.9. inc. & 6.10. inc. & 6.11. inc. \\
6.12. inc. & 7.1. -\frac{3}{4} & 7.2. 4 & 7.3. -\frac{1}{4} \\
7.4. \frac{3}{2} & 7.5. \frac{1}{2} & 7.6. \frac{2}{3} & 7.7. \frac{1}{3} \\
7.8. -\frac{2}{3} & 7.9. \frac{1}{3} & & \\
7.10. -\frac{1}{2} & 7.11. \frac{4}{3} & 7.12. -4 & 7.13. -3 \\
7.14. \frac{3}{2} & 7.15. 0 & 7.16. 3 & 7.17. \frac{1}{2} \\
7.18. -1 & 7.19. -3 & 7.20. \frac{2}{3} & 7.21. -1 \\
7.22. 1 & 7.23. -\frac{4}{3} & 7.24. -1 & 7.25. \frac{1}{3} \\
7.26. -1 & 7.27. -\frac{4}{3} & 7.28. 1 & 8.1. inc. \\
8.2. inc. & 8.3. inc. & 8.4. inc. & 8.5. inc. \\
8.6. inc. & 8.7. inc. & 8.8. inc. & 8.9. inc. \\
8.10. inc. & 8.11. inc. & 8.12. inc. & 9.1. inc. \\
9.2. comp.ind. & 9.3. comp.ind. & 9.4. comp.ind. & 9.5. comp.ind. \\
9.6. comp.ind. & 9.7. comp.ind. & 9.8. comp.ind. \\
9.9. comp.ind. & 9.10. comp.ind. & 9.11. comp.ind. & 9.12. comp.ind. \\
9.13. comp.ind. & 9.14. comp.ind. & 9.15. comp.ind. & 9.16. comp.ind. \\
9.17. comp.ind. & 9.18. comp.ind. & 9.19. comp.ind. & 9.20. comp.ind. \\
9.21. comp.ind. & 9.22. comp.ind. & 9.23. comp.ind. & 9.24. comp.ind. \\
9.25. comp.ind. & 9.26. comp.ind. & 9.27. comp.ind. & 9.28. comp.ind. \\
9.29. comp.ind. & 9.30. comp.ind. & 9.31. comp.ind. & 9.32. comp.ind. \\
9.33. comp.ind. & 9.34. comp.ind. & 9.35. comp.ind. & 9.36. comp.ind. \\
9.37. comp.ind. & 9.38. comp.ind. & 9.39. comp.ind. & 9.40. comp.ind. \\
9.41. comp.ind. & 9.42. comp.ind. & 9.43. comp.ind. & 9.44. comp.ind. \\
9.45. comp.ind. & 9.46. comp.ind. & 9.47. comp.ind. & 9.48. comp.ind. \\
9.49. comp.ind. & 9.50. comp.ind. & 9.51. comp.ind. & 9.52. comp.ind. \\
9.53. comp.ind. & 9.54. comp.ind. & 9.55. comp.ind. & 9.56. comp.ind. \\
9.57. comp.ind. & 9.58. comp.ind. & 9.59. comp.ind. & 9.60. comp.ind. \\
9.61. comp.ind. & 9.62. comp.ind. & 9.63. comp.ind. & 9.64. comp.ind. \\
9.65. comp.ind. & 9.66. comp.ind. & 9.67. comp.ind. & 9.68. comp.ind. \\
9.69. comp.ind. & 9.70. comp.ind. & 9.71. comp.ind. & 9.72. comp.ind. \\
9.73. comp.ind. & 9.74. comp.ind. & 9.75. comp.ind. & 9.76. comp.ind. \\
9.77. comp.ind. & 9.78. comp.ind. & 9.79. comp.ind. & 9.80. comp.ind. \\
9.81. comp.ind. & 9.82. comp.ind. & 9.83. comp.ind. & 9.84. comp.ind. \\
9.85. comp.ind. & 9.86. comp.ind. & 9.87. comp.ind. & 9.88. comp.ind. \\
9.89. comp.ind. & 9.90. comp.ind. & 9.91. comp.ind. & 9.92. comp.ind. \\
9.93. comp.ind. & 9.94. comp.ind. & 9.95. comp.ind. & 9.96. comp.ind. \\
9.97. comp.ind. & 9.98. comp.ind. & 9.99. comp.ind. & 9.100. comp.ind.
\end{array}$$