

date

Hr Br Cp Qr Hr C6 Be

plans for the day

08:00

(N1)

09:00

10:00

$$7 \cdot \begin{bmatrix} 5 & 10 \\ 7 & 12 \\ 11,3 & 5 \\ 25 & 30 \end{bmatrix} + 2 \cdot \begin{bmatrix} 5 & 10 \\ 7 & 12 \\ 11,3 & 5 \\ 25 & 30 \end{bmatrix} = \begin{bmatrix} 35 & 70 \\ 49 & 84 \\ 79,1 & 35 \\ 175 & 210 \end{bmatrix} +$$

11:00

12:00

13:00

14:00

15:00

16:00

17:00

18:00

19:00

20:00

21:00

notes

дата
date

планы на день

08:00 (N 2.1)

$$\begin{aligned} 09:00 \quad & \begin{cases} 3x - 2y + 5z = 7 \\ 2x + 4y - 8z = 3 \\ 5x - 3y - 4z = -12 \end{cases} \\ 10:00 \quad & \end{aligned}$$

$$11:00 \quad A = \begin{bmatrix} 3 & -2 & 5 \\ 2 & 4 & -8 \\ 5 & -3 & -4 \end{bmatrix} \quad B = \begin{bmatrix} 7 \\ 3 \\ -12 \end{bmatrix}$$

13:00 No summary Taylor:

$$14:00 \quad A = \begin{bmatrix} 3 & -2 & 5 \\ 2 & 4 & -8 \\ 5 & -3 & -4 \end{bmatrix} \quad a_{21} = 7 - \frac{2}{3} \cdot 5 = 0$$

$$a_{22} = 4 - \frac{2}{3} \cdot (-2) = \frac{26}{3}$$

$$a_{23} = -8 - \frac{2}{3} \cdot 5 = -\frac{58}{3}$$

$$15:00 \quad A = \begin{bmatrix} 3 & -2 & 5 \\ 0 & \frac{26}{3} & -\frac{58}{3} \\ 5 & -3 & -4 \end{bmatrix} \quad a_{31} = 5 - \frac{5}{3} \cdot 3 = 0$$

$$a_{32} = -3 - \frac{5}{3} \cdot (-2) = \frac{1}{3}$$

$$a_{33} = -4 - \frac{5}{3} \cdot 5 = -\frac{59}{3}$$

$$16:00 \quad A = \begin{bmatrix} 3 & -2 & 5 \\ 0 & \frac{26}{3} & -\frac{58}{3} \\ 0 & 1/3 & -59/3 \end{bmatrix} \quad a_{31} = 0 - 1/26 \cdot 0 = 0$$

$$a_{32} = 1/3 - 1/26 \cdot 26/3 = 0$$

$$a_{33} = -59/3 - 1/26 \cdot (-59/3) = -\frac{301}{26}$$

$$17:00 \quad A = \begin{bmatrix} 3 & -2 & 5 \\ 0 & \frac{26}{3} & -\frac{58}{3} \\ 0 & 0 & -\frac{301}{26} \end{bmatrix} = 3 \cdot \frac{26}{3} \cdot \left(-\frac{301}{26}\right) = -301 \quad (\Delta)$$

дата
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планы на день

08:00

$$x_A = \begin{bmatrix} 3 & -2 & 5 \\ 2 & 4 & -8 \\ -12 & -3 & -4 \end{bmatrix} = \begin{bmatrix} 7 & -2 & 5 \\ 0 & \frac{26}{3} & -\frac{58}{3} \\ -12 & -3 & -4 \end{bmatrix} = \begin{bmatrix} 0 & \frac{26}{3} & -\frac{58}{3} \\ 0 & -\frac{40}{3} & -\frac{80}{3} \\ 0 & -12 & -4 \end{bmatrix} = \begin{bmatrix} 0 & 0 & -\frac{20}{3} \\ 0 & 0 & -\frac{34}{3} \end{bmatrix} =$$

$$= 7 \cdot \frac{34}{3} \cdot \left(-\frac{20}{3}\right) = -301$$

11:00

$$y_A = \begin{bmatrix} 3 & 7 & 5 \\ 2 & 3 & -8 \\ 5 & -12 & -4 \end{bmatrix} = \begin{bmatrix} 3 & 7 & 5 \\ 0 & -\frac{40}{3} & -\frac{80}{3} \\ 5 & -12 & -4 \end{bmatrix} = \begin{bmatrix} 0 & -\frac{40}{3} & -\frac{80}{3} \\ 0 & -\frac{21}{3} & -\frac{21}{3} \end{bmatrix} =$$

13:00

$$z_A = \begin{bmatrix} 3 & 7 & 5 \\ 0 & -\frac{40}{3} & -\frac{80}{3} \\ 0 & 0 & \frac{20}{3} \end{bmatrix} = 3 \cdot \left(-\frac{40}{3}\right) \cdot \frac{20}{3} = -303$$

15:00

$$z_A = \begin{bmatrix} 3 & -2 & 7 \\ 2 & 4 & 3 \\ 5 & -3 & -12 \end{bmatrix} = \begin{bmatrix} 3 & -2 & 7 \\ 0 & \frac{26}{3} & -\frac{40}{3} \\ 5 & -3 & -12 \end{bmatrix} = \begin{bmatrix} 0 & \frac{26}{3} & -\frac{40}{3} \\ 0 & \frac{1}{3} & -\frac{21}{3} \end{bmatrix} = \begin{bmatrix} 0 & 0 & -\frac{20}{3} \\ 0 & 0 & -\frac{73}{3} \end{bmatrix} =$$

17:00

$$= 3 \cdot \frac{26}{3} \cdot \left(-\frac{20}{3}\right) = -602$$

18:00

$$\pi = x_A / \Delta = -301 / -301 = 1$$

19:00

$$y = y_A / \Delta = -303 / -301 = 3$$

20:00

$$z = z_A / \Delta = -602 / -301 = 2$$

21:00

БДС

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plans for the day

08:00 N 2, 2

$$\begin{aligned} 09:00 \quad & \left\{ \begin{array}{l} x^2 + yx - 9 = 0 \\ x - y/5 = 0 \end{array} \right. = \left\{ \begin{array}{l} x^2 + 5x^2 = 9 \\ y = 5x \end{array} \right. = \left\{ \begin{array}{l} 2x^2 = 9 \\ y = 5x \end{array} \right. \\ 10:00 \quad & \left\{ \begin{array}{l} x = \sqrt{\frac{9}{2}} \\ y = 5\sqrt{\frac{9}{2}} \end{array} \right. \end{aligned}$$

I crossed

$$\begin{aligned} 12:00 \quad & D = y^2 - 4 \cdot (-1) \\ 13:00 \quad & D = y^2 + 36 = 25x^2 + 36 \end{aligned}$$

II crossed

$$14:00 \quad x_1 = \frac{-5x + \sqrt{25x^2 + 36}}{2}$$

$$15:00 \quad 2x_1 = -5x + \sqrt{25x^2 + 36}$$

$$16:00 \quad 4x_1 = -\sqrt{25x^2 + 36} + 12$$

$$17:00 \quad 4x_1^2 = 25x^2 + 36$$

$$18:00 \quad 4x_1^2 - 25x_1^2 - 36 = 0$$

$$19:00 \quad 24x_1^2 = 36$$

$$20:00 \quad x_1^2 = \frac{36}{24} = +\frac{6}{4} = +\sqrt{\frac{3}{2}}$$

21:00

notes

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$$08:00 \quad x_2 = \frac{-5x - \sqrt{25x^2 + 36}}{2}$$

$$09:00 \quad 2x_2 = -5x_2 - \sqrt{25x^2 + 36}$$

$$10:00 \quad 7x_2 = -\sqrt{25x^2 + 36} + 12$$

$$11:00 \quad 49x_2^2 = 25x^2 + 36$$

$$12:00 \quad 24x_2^2 = 36$$

$$13:00 \quad x_2^2 = \frac{3}{2} = \sqrt{\frac{3}{2}}$$

$$14:00 \quad \left\{ \begin{array}{l} x = \sqrt{\frac{3}{2}} \\ y = 5\sqrt{\frac{3}{2}} \end{array} \right.$$

15:00

16:00

17:00

18:00

19:00

20:00

21:00

notes

CSC 2019/2020

дата :
date _____

Пн Вт Ср Чт Пт Сб Св
Monday Tuesday Wednesday Thursday Friday Saturday Sunday

plans for the day

08:00

(N 3)

09:00

$$\begin{cases} xy = 48 \\ 2x + 2y = 28 \end{cases} \Rightarrow \begin{cases} x = \frac{48}{y} \\ 2 \cdot \frac{48}{y} + 2y = 28 \end{cases} \Rightarrow$$

10:00

$$= \begin{cases} x = \frac{48}{y} \\ \frac{96}{y} + 2y = 28 \end{cases} \Rightarrow \begin{cases} x = \frac{48}{y} \\ \frac{96 + 2y^2}{y} = 28 \end{cases} \Rightarrow \begin{cases} x = \frac{48}{y} \\ 2y^2 - 28y + 96 = 0 \end{cases} \Rightarrow$$

11:00

$$= \begin{cases} x = \frac{48}{y} \\ 2y^2 - 28y + 96 = 0 \end{cases} \Rightarrow \begin{cases} x = \frac{48}{y} \\ *y^2 - 14y + 48 = 0 \end{cases} \Rightarrow$$

12:00

$$= \begin{cases} x = \frac{48}{y} \\ *y^2 - 14y + 48 = 0 \end{cases} \Rightarrow \begin{cases} x = \frac{48}{y} \\ *y^2 - 14y + 48 = 0 \end{cases}$$

13:00

$$*y^2 - 14y + 48 = 0$$

14:00

$$D = 196 - 192 = 4$$

15:00

$$y_1 = \frac{14 + \sqrt{4}}{2} = 8$$

16:00

$$y_2 = \frac{14 - \sqrt{4}}{2} = 6$$

17:00

$$18:00 \quad \begin{cases} x_1 = \frac{48}{8} = 6 \\ y_1 = 8 \end{cases}, \quad x_1 = \frac{48}{6} = 8$$

19:00

$$\begin{cases} y_1 = 8 \\ , y_2 = 6 \end{cases}$$

20:00

21:00

notes