

Zapisz poniższe wektory:

$$\begin{aligned}
 1.) \quad v &= \begin{bmatrix} -0.95 \\ -0.90 \\ \vdots \\ 1.85 \end{bmatrix} & 2.) \quad v &= [\sin \frac{\pi}{2}, \sin \pi, \sin \frac{3\pi}{2}, \dots, \sin 100\pi] & 3.) \quad v &= [\sqrt{1}, \sqrt{2}, \sqrt{3}, \dots, \sqrt{100}] \\
 4.) \quad v &= \begin{bmatrix} 2i + \cos \pi \\ 3i - \cos 2\pi \\ 4i + \cos 3\pi \\ \vdots \\ 200i + \cos 199\pi \end{bmatrix} & 5.) \quad v &= [1^1, 2^2, 3^3, 4^4, \dots, 100^{100}] & 6.) \quad v &= [0, 1, 0, 2, 0, 3, \dots, 200] \\
 7.) \quad v &= [-\frac{1}{100}, -\frac{1}{90}, -\frac{1}{80}, \dots, -1, 0, 1, \dots, \frac{1}{80}, \frac{1}{90}, \frac{1}{100}] & 8.) \quad v &= [0.5i, i, 1.5i, \dots, 100i] \\
 9.) \quad v &= [2\sqrt{2}, 3\sqrt{3}, 4\sqrt{4}, \dots, 200\sqrt{200}] & 10.) \quad v &= [\cos^2 \frac{\pi}{100}, \cos^2 \frac{2\pi}{100}, \dots, \cos^2 2\pi]
 \end{aligned}$$

Polecenie: Zapisz podane wektory v za pomocą poprawnej składni MATLAB'a:

$$\begin{aligned}
 1.) \quad v &= \begin{bmatrix} 2.95 \\ 2.90 \\ \vdots \\ -1.85 \end{bmatrix} & 2.) \quad v &= [\tan \frac{\pi}{2}, \tan \pi, \tan \frac{3\pi}{2}, \dots, \tan 100\pi] & 3.) \quad v &= [\sqrt{100}, \sqrt{99}, \sqrt{98}, \dots, \sqrt{0}] \\
 4.) \quad v &= \begin{bmatrix} 200i+1 \\ 199i-2 \\ 198i+3 \\ \vdots \\ i+200\pi \end{bmatrix} & 5.) \quad v &= [0.1^1, 0.2^2, 0.3^3, 0.4^4, \dots, 10^{100}] & 6.) \quad v &= [0, 4, 0, 8, 0, 12, \dots, 200] \\
 7.) \quad v &= [-\frac{1}{10}, -\frac{1}{9}, -\frac{1}{8}, \dots, -1, 0, 1, \dots, \frac{1}{8}, \frac{1}{9}, \frac{1}{10}] & 8.) \quad v &= [\frac{100}{1}i, \frac{99}{2}i, \frac{98}{3}i, \dots, \frac{1}{100}i] \\
 9.) \quad v &= [2\sqrt[3]{2}, 3\sqrt[3]{3}, 4\sqrt[3]{4}, \dots, 200\sqrt[3]{200}] & 10.) \quad v &= [\sin^2 \frac{\pi}{100}, \sin^2 \frac{2\pi}{100}, \dots, \sin^2 2\pi]
 \end{aligned}$$

Polecenie: Zapisz podane wektory v za pomocą poprawnej składni MATLAB'a:

$$\begin{aligned}
 1.) \quad v &= \begin{bmatrix} 0.95 \\ 0.90 \\ \vdots \\ -1.85 \end{bmatrix} & 2.) \quad v &= \begin{bmatrix} 200i + \cos \pi \\ 199i - \cos 2\pi \\ 198i + \cos 3\pi \\ \vdots \\ i + \cos 200\pi \end{bmatrix} & 3.) \quad v &= \begin{bmatrix} 0.1i \\ 0.2i \\ \vdots \\ 10i \end{bmatrix} & 4.) \quad v &= [\sin^2 \frac{\pi}{100}, \sin^2 \frac{2\pi}{100}, \dots, \sin^2 2\pi] \\
 5.) \quad v &= [0^1, 5^2, 10^3, 15^4, \dots, 495^{100}] & 6.) \quad v &= [0, 7, 0, 14, 0, 21, \dots, 210] & 7.) \quad v &= [\sqrt{1}, \sqrt{2}, \sqrt{3}, \dots, \sqrt{100}] \\
 8.) \quad v &= [\sqrt{800}, 3\sqrt{798}, 5\sqrt{796}, \dots, 799\sqrt{2}] & 9.) \quad v &= [-\frac{1}{100}, -\frac{1}{90}, -\frac{1}{80}, \dots, -1, 0, 1, \dots, \frac{1}{80}, \frac{1}{90}, \frac{1}{100}] \\
 10.) \quad v &= [tg \frac{\pi}{2}, tg \pi, tg \frac{3\pi}{2}, \dots, tg 100\pi]
 \end{aligned}$$

$$\begin{array}{l}
1.) \ v = \begin{bmatrix} 95.5 \\ 95 \\ 94.5 \\ \vdots \\ -1.5 \end{bmatrix} \quad 4.) \ v = [\operatorname{ctg}^2 \frac{\pi}{103}, \operatorname{ctg}^2 \frac{2\pi}{103}, \dots, \operatorname{ctg}^2 2\pi] \quad 2.) \ v = \begin{bmatrix} 200i + \pi \\ 199i - 2\pi \\ 198i + 3\pi \\ \vdots \\ i + 200\pi \end{bmatrix} \quad 3.) \ v = \begin{bmatrix} 0.01i \\ 0.02i \\ \vdots \\ 10i \end{bmatrix} \\
5.) \ v = [0^1, 5^2, 10^3, 15^4, \dots, 495^{100}] \quad 6.) \ v = [0, 7, 0, 14, 0, 21, \dots, 210] \quad 7.) \ v = [\sqrt[1]{1}, \sqrt[2]{2}, \sqrt[3]{3}, \dots, \sqrt[100]{100}] \\
8.) \ v = [\sqrt[3]{800}, 3\sqrt[3]{798}, 5\sqrt[3]{796}, \dots, 799\sqrt[3]{\sqrt{2}}] \quad 9.) \\
\ v = [-\frac{11}{100}, -\frac{11}{90}, -\frac{11}{80}, \dots, -11, 0, 11, \dots, \frac{11}{80}, \frac{11}{90}, \frac{11}{100}] \\
10.) \ v = [\sin \frac{\pi}{3}, \operatorname{tg} \frac{2\pi}{3}, \operatorname{tg} \pi, \dots, \operatorname{tg} 100\pi]
\end{array}$$

$$\begin{array}{l}
1.) \ v = \begin{bmatrix} 5.5i \\ 5.0i \\ 4.5i \\ \vdots \\ -11.5i \end{bmatrix} \quad 2.) \ v = [\ln^2 1, \ln^2 2, \ln^2 3, \dots, \ln^2 147] \quad 3.) \ v = \begin{bmatrix} 200i - \pi \\ 199i + 2\pi \\ 198i - 3\pi \\ \vdots \\ i + 200\pi \end{bmatrix} \quad 4.) \ v = \begin{bmatrix} \sin \frac{-100}{2} \\ \sin \frac{-99}{2} \\ \vdots \\ \sin \frac{100}{2} \end{bmatrix} \\
5.) \ v = [900^1, 897^2, 894^3, 891^4, \dots, 603^{100}] \quad 6.) \ v = [0, 7, 0, 14, 0, 21, \dots, 420] \\
7.) \ v = [\sqrt[1]{1}, \sqrt[2]{2}, \sqrt[3]{3}, \dots, \sqrt[100]{100}] \quad 8.) \ v = [\sqrt[5]{811}, \sqrt[5]{804}, \sqrt[5]{797}, \dots, \sqrt[5]{111}] \\
9.) \ v = [-\frac{13}{100}, -\frac{13}{90}, -\frac{13}{80}, \dots, -13, 0, 13, \dots, \frac{13}{80}, \frac{13}{90}, \frac{13}{100}] \\
10.) \ v = [0, 0, 1, 1, 2, 2, 3, 3, \dots, 111, 111]
\end{array}$$
