## SỞ GD&ĐT ĐẮK LẮK TRƯỜNG THPT VÕ NGUYÊN GIÁP

## ĐÁP ÁN KIỀM TRA GIỮA HỌC KỲ 2 NĂM HỌC 2023-2024 MÔN TOÁN – Khối lớp 12 Thời gian làm bài: 90 phút

(Không kể thời gian phát đề)

## Phần đáp án câu trắc nghiệm: Tổng câu trắc nghiệm: 50.

				[				1				
	202	211	213	223	210	215	212	203	201	224	207	221
1	[0.20] D	[0.20] B	[0.20] C	[0.20] D	[0.20] B	[0.20] A	[0.20] C	[0.20] A	[0.20] A	[0.20] A	[0.20] C	[0.20] D
2	[0.20] D	[0.20] C	[0.20] C	[0.20] D	[0.20] C	[0.20] A	[0.20] C	[0.20] D	[0.20] D	[0.20] B	[0.20] C	[0.20] D
2	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
3	[0.20] A	[0.20] D	[0.20] A	[0.20] C	[0.20] B	[0.20] B	A	A	[0.20] D	[0.20] A	D	[0.20] B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
4	В	В	Α	В	D	В	В	В	C	C	D	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
5	В	D	C	C	C	A	В	A	A	D	A	B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
6	C	В	D	В	D	C	A	В	A	В	A	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
7	D	D	A	D	C	A	C	C	C	C	В	B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
8	A	D	A	D	D	D	В	A	D	A	C	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
9	A	A	В	A	В	D	D	D	В	A	В	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
10	D	В	D	С	A	C	C	C	D	В	A	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
11	D	D	D	В	C	В	В	C	A	D	D	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
12	С	A	A	A	В	D	В	A	C	В	A	В
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
13	C	C	B	B	C	D	D	D	D	B	D	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
14	A	C	D	C	A	B	C	B	B	A	B	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
15	D	A	B	B	C	C	A	A	C	D	C	A
	[0.20]	[0.20]	[0.20]		[0.20]	[0.20]				[0.20]	[0.20]	[0.20]
16	B	A	A	D	A	A	A	D	C	A	C	C
17	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
17	B	B	D	C	C	B	C	D	B	C	D	B
10	[0.20] C	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20] D	[0.20]	[0.20]	[0.20]	[0.20] D	[0.20]
18		B	A	D	A	B		A	A	A		B
10	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20] B	[0.20]	[0.20] C	[0.20] B	[0.20]
19	C	A	B	A	D	C	D	[0.20]	A [0.20]	[0.20]		D
20	[0.20] D	[0.20] A	[0.20] C	[0.20] D	[0.20] D	[0.20] C	[0.20] A	[0.20] C	[0.20] D	[0.20] D	[0.20] A	[0.20] C
20	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
21	[0.20] A	[0.20] B	[0.20] B	[0.20] A	B	[0.20] A	[0.20] B	[0.20] C	[0.20] C	[0.20] A	[0.20] A	[0.20] B
21	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
22	[0.20] A	[0.20] C	[0.20] A	B	B	[0.20] D	A	D	[0.20] A	[0.20] C	[0.20] C	[0.20] A
- 22	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
23	D	[0.20] C	[0.20] C	A	D	[0.20] A	A	A	B	D	[0.20] C	B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
24	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]

	В	D	В	В	D	C	В	В	В	D	А	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
25	B	D	C	B	A	C	B	D	C	C	D	B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
26	А	В	С	А	С	В	D	D	С	А	А	А
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
27	D	В	Α	Α	В	В	D	С	Α	В	В	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
28	С	С	D	C	В	Α	А	С	В	В	В	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
29	A	A	D	D	D	D	C	D	В	D	С	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
30	В	D	А	C	D	A	С	В	D	D	С	В
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
31	C	B	B	B	A	A	A	B	C	B	A	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
32	A	C	D	B	C	D	B	A	C	A	A	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
33	D	D	A	C	B	C	D	C	D	C	B	A
24	[0.20] C	[0.20] B	[0.20] B	[0.20] C	[0.20] D	[0.20] B	[0.20]	[0.20] B	[0.20] B	[0.20]	[0.20] C	[0.20]
34							A			A		A
25	[0.20] A	[0.20] A	[0.20] C	[0.20] D	[0.20] A	[0.20] D	[0.20] A	[0.20] C	[0.20] C	[0.20] C	[0.20] D	[0.20] C
35	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
36	[0.20] A	[0.20] C	[0.20] C	[0.20] A	[0.20] C	[0.20] A	[0.20] D	[0.20] B	[0.20] B	[0.20] D	[0.20] B	[0.20] C
30	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
37	[0.20] B	[0.20] D	[0.20] C	[0.20] C	[0.20] C	D	[0.20] D	[0.20] B	[0.20] D	[0.20] C	[0.20] C	[0.20] B
57	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
38	B	D	D	B	A	C	C	A	D	B	D	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
39	D	C	D	C C	A	B	C	C C	A	B	D	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
40	С	А	С	А	В	D	В	С	А	D	А	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
41	C	Α	D	D	D	D	D	В	В	D	Α	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
42	В	D	В	A	В	C	С	D	В	В	В	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
43	C	A	C	A	A	B	D	D	D	C	B	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
44	D	C	B	D	A	B	D	A	A	C	D	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
45	B	C	B	D	A	C	B	A	A	C	B	A
10	[0.20] B	[0.20] C	[0.20] B	[0.20] B	[0.20]	[0.20] D	[0.20] D	[0.20] C	[0.20] C	[0.20] D	[0.20] A	[0.20] B
46	В [0.20]	[0.20]	В [0.20]	В [0.20]	A [0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	A [0.20]	В [0.20]
47	[0.20] C	[0.20] C	[0.20] D	[0.20] C	[0.20] C	[0.20] D	[0.20] B	[0.20] D	[0.20] A	[0.20] B	[0.20] D	[0.20] D
· · · /	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
48	[0.20] C	[0.20] A	[0.20] C	B	B	[0.20] C	[0.20] A	[0.20] D	[0.20] B	[0.20] B	[0.20] C	[0.20] D
01	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
49	D	[0.20] A	[0.20] A	A	C	A	[0.20] B	[0.20] A	[0.20] A	[0.20] D	[0.20] B	[0.20] A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
1				A	B	B	[0:20] C	A	B	C	[0:20] C	A
50	A	В	A	A		D	C	$\Lambda$	D	C	C	п

						1						
	214	216	204	220	205	206	222	208	218	217	209	219
1	[0.20] A	[0.20] D	[0.20] D	[0.20] B	[0.20] B	[0.20] B	[0.20] B	[0.20] C	[0.20] B	[0.20] A	[0.20] C	[0.20] A
1						[0.20]		-				
2	[0.20] A	[0.20] B	[0.20] C	[0.20] B	[0.20] D	[0.20] B	[0.20] A	[0.20] D	[0.20] B	[0.20] C	[0.20] D	[0.20] C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
3	D	A	A	С	D	D	A	C	D	А	A	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
4	C	D	B	D	B	D	D	C	C	B	A	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
5	B	C	B	D	C	A	D	D	C	B	D	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
6	C	C	C	C	C	C	A	B	D	D	С	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
7	C	A	A	A	D	A	C	D	D	А	А	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
8	D	D	B	C	D	C	D	D	A	A	B	A
9	[0.20]	[0.20] B	[0.20] B	[0.20] B	[0.20] A	[0.20] D	[0.20] A	[0.20] A	[0.20] A	[0.20] D	[0.20] B	[0.20] C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
10	B	[0.20] A	[0.20] C	[0.20] A	[0.20] A	D	D	[0.20] A	[0.20] D	[0.20] C	[0.20] A	[0.20] B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
11	C C	A	C C	A	B	C C	A	B	D	A	C	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
12	A	B	B	D	C	A	B	B	A	D	D	B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
13	A	B	D	D	D	C	C	C	A	D	A	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
14	C	D	D	C	A	D	D	C	D	A	B	B
15	[0.20] B	[0.20] D	[0.20] A	[0.20] A	[0.20] D	[0.20] B	[0.20] D	[0.20] B	[0.20] B	[0.20] B	[0.20] A	[0.20] D
15								D	D	D		
14	1 10 201						[0.20]	[0.20]	[0.20]			[0.20]
1 10	[0.20] A	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20] B	[0.20] D	[0.20] C	[0.20]	[0.20]	[0.20] D
16	A	[0.20] B	[0.20] B	[0.20] A	[0.20] D	[0.20] A	В	D	С	[0.20] C	[0.20] B	D
		[0.20] B [0.20]	[0.20]	[0.20]	[0.20] D [0.20]	[0.20]				[0.20]	[0.20]	D [0.20]
17	A [0.20] C	[0.20] B [0.20] A	[0.20] B [0.20] D	[0.20] A [0.20] C	[0.20] D [0.20] A	[0.20] A [0.20] C	B [0.20] C	D [0.20] C	C [0.20] D	[0.20] C [0.20] B	[0.20] B [0.20] D	D [0.20] A
	A [0.20]	[0.20] B [0.20]	[0.20] B [0.20]	[0.20] A [0.20]	[0.20] D [0.20]	[0.20] A [0.20]	B [0.20]	D [0.20]	C [0.20]	[0.20] C [0.20]	[0.20] B [0.20]	D [0.20]
17	A [0.20] C [0.20]	[0.20] B [0.20] A [0.20] C	[0.20] B [0.20] D [0.20] D	[0.20] A [0.20] C [0.20] B	[0.20] D [0.20] A [0.20] B	[0.20] A [0.20] C [0.20] B	B [0.20] C [0.20] B	D [0.20] C [0.20] A	C [0.20] D [0.20] B	[0.20] C [0.20] B [0.20]	[0.20] B [0.20] D [0.20] C	D [0.20] A [0.20] A
17	A [0.20] C [0.20] B	[0.20] B [0.20] A [0.20]	[0.20] B [0.20] D [0.20]	[0.20] A [0.20] C [0.20]	[0.20] D [0.20] A [0.20]	[0.20] A [0.20] C [0.20]	B [0.20] C [0.20]	D [0.20] C [0.20]	C [0.20] D [0.20]	[0.20] C [0.20] B [0.20] C	[0.20] B [0.20] D [0.20]	D [0.20] A [0.20]
17 18	A [0.20] C [0.20] B [0.20]	[0.20] B [0.20] A [0.20] C [0.20]	[0.20] B [0.20] D [0.20] D [0.20]	[0.20] A [0.20] C [0.20] B [0.20]	[0.20] D [0.20] A [0.20] B [0.20]	[0.20] A [0.20] C [0.20] B [0.20]	B [0.20] C [0.20] B [0.20]	D [0.20] C [0.20] A [0.20]	C [0.20] D [0.20] B [0.20]	[0.20] C [0.20] B [0.20] C [0.20]	[0.20] B [0.20] D [0.20] C [0.20]	D [0.20] A [0.20] A [0.20]
17 18	A [0.20] C [0.20] B [0.20] D	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A	[0.20] B [0.20] D [0.20] D [0.20] A	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C	[0.20] D [0.20] A [0.20] B [0.20] C	[0.20] A [0.20] C [0.20] B [0.20] A	B [0.20] C [0.20] B [0.20] D [0.20] C	D [0.20] C [0.20] A [0.20] A	C [0.20] D [0.20] B [0.20] C	[0.20] C [0.20] B [0.20] C [0.20] C [0.20] A	[0.20] B [0.20] D [0.20] C [0.20] C	D [0.20] A [0.20] A [0.20] D [0.20] D
17 18 19	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20]	[0.20] B [0.20] A [0.20] C [0.20] C [0.20]	[0.20] B [0.20] D [0.20] D [0.20] A [0.20]	[0.20] A [0.20] C [0.20] B [0.20] B [0.20]	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20]	[0.20] A [0.20] C [0.20] B [0.20] A [0.20]	B [0.20] C [0.20] B [0.20] D [0.20]	D [0.20] C [0.20] A [0.20] A [0.20] C [0.20]	C [0.20] D [0.20] B [0.20] C [0.20] A [0.20]	[0.20] C [0.20] B [0.20] C [0.20] C [0.20] A [0.20]	[0.20] B [0.20] D [0.20] C [0.20] C [0.20]	D [0.20] A [0.20] A [0.20] D [0.20] D [0.20]
17 18 19	A [0.20] C [0.20] B [0.20] D [0.20] C	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D	[0.20] B [0.20] D [0.20] D [0.20] A [0.20] C [0.20] A	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D	B [0.20] C [0.20] B [0.20] D [0.20] C [0.20] A	D [0.20] C [0.20] A [0.20] C [0.20] C	C [0.20] D [0.20] B [0.20] C [0.20] A [0.20] B	[0.20] C [0.20] B [0.20] C [0.20] C [0.20] A [0.20] D	[0.20] B [0.20] D [0.20] C [0.20] C [0.20] B [0.20] A	D [0.20] A [0.20] A [0.20] D [0.20] D [0.20] B
17 18 19 20 21	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20] B [0.20]	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20]	[0.20] B [0.20] D [0.20] D [0.20] A [0.20] C [0.20] A [0.20] A	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20]	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20]	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20]	B [0.20] C [0.20] B [0.20] D [0.20] C [0.20] A [0.20]	D [0.20] A [0.20] A [0.20] C [0.20] C [0.20] C [0.20]	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20]	[0.20] C [0.20] B [0.20] C [0.20] C [0.20] A [0.20] D [0.20]	[0.20] B [0.20] D [0.20] C [0.20] C [0.20] B [0.20] A [0.20]	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20]
17 18 19 20	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20] B [0.20] C	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20] D	[0.20] B [0.20] D [0.20] D [0.20] A [0.20] C [0.20] A [0.20] D	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20] D	B [0.20] C [0.20] B [0.20] C [0.20] A [0.20] A [0.20] D	D [0.20] C [0.20] A [0.20] C [0.20] C [0.20] C [0.20] A	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20] A	[0.20] C [0.20] B [0.20] C [0.20] C [0.20] A [0.20] D [0.20] C	[0.20] B [0.20] D [0.20] C [0.20] B [0.20] B [0.20] A [0.20] C	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] B [0.20] C
17 18 19 20 21 22	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20] B [0.20] C [0.20] C [0.20]	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20] D [0.20]	[0.20] B [0.20] D [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20]	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A [0.20] A	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A [0.20]	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20] D [0.20]	B [0.20] C [0.20] B [0.20] C [0.20] C [0.20] A [0.20] D [0.20]	D [0.20] C [0.20] A [0.20] C [0.20] C [0.20] A [0.20] A [0.20]	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20] A [0.20] C	[0.20] C [0.20] B [0.20] C [0.20] C [0.20] D [0.20] C [0.20] C [0.20]	[0.20] B [0.20] D [0.20] C [0.20] B [0.20] A [0.20] C [0.20] C [0.20]	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] C [0.20]
17 18 19 20 21	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20] B [0.20] C [0.20] D	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20] D [0.20] A	[0.20] B [0.20] D [0.20] A [0.20] C [0.20] A [0.20] D [0.20] D	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A [0.20] D	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A [0.20] B	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20] D [0.20] C	B [0.20] B [0.20] D [0.20] C [0.20] A [0.20] D [0.20] B	D [0.20] A [0.20] A [0.20] C [0.20] C [0.20] A [0.20] B	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20] A [0.20] A	[0.20] C [0.20] B [0.20] C [0.20] A [0.20] A [0.20] C [0.20] C [0.20] B	[0.20] B [0.20] D [0.20] C [0.20] B [0.20] A [0.20] C [0.20] B [0.20] B	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] C [0.20] C [0.20] D
17 18 19 20 21 22 23	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20] B [0.20] C [0.20] D [0.20] D [0.20]	[0.20] B [0.20] A [0.20] C [0.20] A [0.20] D [0.20] D [0.20] A [0.20] A	[0.20] B [0.20] D [0.20] D [0.20] A [0.20] C [0.20] D [0.20] D [0.20] D	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A [0.20] D [0.20]	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A [0.20] B [0.20]	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20] C [0.20] C [0.20]	B [0.20] C [0.20] D [0.20] C [0.20] A [0.20] D [0.20] B [0.20]	D [0.20] A [0.20] A [0.20] C [0.20] C [0.20] A [0.20] B [0.20] B	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20] A [0.20] A [0.20] A	[0.20] C [0.20] B [0.20] C [0.20] A [0.20] D [0.20] C [0.20] B [0.20] B	[0.20] B [0.20] D [0.20] C [0.20] B [0.20] A [0.20] C [0.20] B [0.20] B [0.20]	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] C [0.20] D [0.20] D [0.20]
17 18 19 20 21 22	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20] B [0.20] C [0.20] D [0.20] C	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20] A [0.20] B	[0.20] B [0.20] D [0.20] A [0.20] C [0.20] A [0.20] D [0.20] D [0.20] B	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A [0.20] D [0.20] B	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A [0.20] B [0.20] B	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20] C [0.20] C [0.20] B	B [0.20] C [0.20] D [0.20] C [0.20] A [0.20] A [0.20] B [0.20] B	D [0.20] C [0.20] A [0.20] C [0.20] C [0.20] A [0.20] B [0.20] B [0.20] C	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20] A [0.20] A [0.20] C	[0.20] C [0.20] B [0.20] C [0.20] A [0.20] D [0.20] C [0.20] B [0.20] C	[0.20] B [0.20] D [0.20] C [0.20] B [0.20] A [0.20] C [0.20] B [0.20] B [0.20] D	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] C [0.20] D [0.20] D [0.20] D
17 18 19 20 21 22 23 24	A [0.20] C [0.20] B [0.20] C [0.20] C [0.20] C [0.20] C [0.20] C [0.20] C [0.20] C	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20] D [0.20] A [0.20] B [0.20]	[0.20] B [0.20] D [0.20] A [0.20] C [0.20] C [0.20] D [0.20] D [0.20] B [0.20] B	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A [0.20] D [0.20] B [0.20] B [0.20]	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A [0.20] B [0.20] B [0.20]	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20] C [0.20] C [0.20] B [0.20] C	B [0.20] C [0.20] D [0.20] C [0.20] A [0.20] D [0.20] B [0.20] C [0.20] C	D [0.20] A [0.20] A [0.20] C [0.20] C [0.20] A [0.20] B [0.20] C [0.20] C [0.20]	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20] A [0.20] A [0.20] C [0.20] C	[0.20] C [0.20] B [0.20] C [0.20] A [0.20] D [0.20] C [0.20] B [0.20] C [0.20] C [0.20] C [0.20] D [0.20] C	[0.20] B [0.20] C [0.20] C [0.20] B [0.20] A [0.20] C [0.20] B [0.20] B [0.20] D [0.20]	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] C [0.20] D [0.20] D [0.20] D [0.20]
17 18 19 20 21 22 23	A [0.20] C [0.20] B [0.20] D [0.20] C [0.20] B [0.20] C [0.20] C [0.20] C [0.20] C [0.20] A	[0.20] B [0.20] A [0.20] C [0.20] A [0.20] D [0.20] D [0.20] A [0.20] B [0.20] B	[0.20] B [0.20] D [0.20] A [0.20] A [0.20] C [0.20] D [0.20] D [0.20] B [0.20] B [0.20] C	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A [0.20] D [0.20] B [0.20] D	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A [0.20] B [0.20] B [0.20] D	[0.20] A [0.20] C [0.20] A [0.20] A [0.20] C [0.20] D [0.20] C [0.20] B [0.20] B [0.20] C	B [0.20] B [0.20] D [0.20] C [0.20] A [0.20] B [0.20] B [0.20] C [0.20] C [0.20] D	D [0.20] A [0.20] A [0.20] C [0.20] C [0.20] A [0.20] B [0.20] C [0.20] C [0.20] A	C [0.20] B [0.20] C [0.20] A [0.20] A [0.20] A [0.20] A [0.20] C [0.20] C	[0.20] C [0.20] B [0.20] C [0.20] C [0.20] A [0.20] C	[0.20] B [0.20] C [0.20] C [0.20] B [0.20] A [0.20] C [0.20] B [0.20] D [0.20] D	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] C [0.20] D [0.20] D [0.20] D [0.20] B
17 18 19 20 21 22 23 24	A [0.20] C [0.20] B [0.20] C [0.20] C [0.20] C [0.20] C [0.20] C [0.20] C [0.20] C	[0.20] B [0.20] A [0.20] C [0.20] C [0.20] A [0.20] D [0.20] D [0.20] A [0.20] B [0.20]	[0.20] B [0.20] D [0.20] A [0.20] C [0.20] C [0.20] D [0.20] D [0.20] B [0.20] B	[0.20] A [0.20] C [0.20] B [0.20] B [0.20] C [0.20] A [0.20] A [0.20] D [0.20] B [0.20] B [0.20]	[0.20] D [0.20] A [0.20] B [0.20] C [0.20] C [0.20] D [0.20] A [0.20] B [0.20] B [0.20]	[0.20] A [0.20] C [0.20] B [0.20] A [0.20] C [0.20] D [0.20] C [0.20] C [0.20] B [0.20] C	B [0.20] C [0.20] D [0.20] C [0.20] A [0.20] D [0.20] B [0.20] C [0.20] C	D [0.20] A [0.20] A [0.20] C [0.20] C [0.20] A [0.20] B [0.20] C [0.20] C [0.20]	C [0.20] B [0.20] C [0.20] A [0.20] B [0.20] A [0.20] A [0.20] C [0.20] C	[0.20] C [0.20] B [0.20] C [0.20] A [0.20] D [0.20] C [0.20] B [0.20] C [0.20] C [0.20] C [0.20] D [0.20] C	[0.20] B [0.20] D [0.20] C [0.20] B [0.20] A [0.20] C [0.20] B [0.20] B [0.20] D [0.20]	D [0.20] A [0.20] D [0.20] D [0.20] B [0.20] C [0.20] D [0.20] D [0.20] D [0.20]

	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[ [0.20] ]
27	[0.20] D	[0.20] D	[0.20] D	[0.20] C	C	[0.20] C	[0.20] C	D	[0.20] A	A	[0.20] A	C
27	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
28	[0.20] A	[0.20] C	[0.20] B	D	A	B	[0.20] C	B	B	A	B	[0.20] C
20	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
29	B	[0.20] A	[0.20] C	A	A	[0.20] C	D	A	B	B	[0.20] C	[0.20] A
29	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
30	[0.20] A	[0.20] A	[0.20] D	D	B	[0.20] A	A	C	A	[0.20] C	B	[0.20] D
50	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
31	[0.20] D	[0.20] D	[0.20] A	B	[0.20] C	[0.20] B	B	D	[0.20] C	B	[0.20] D	[0.20] C
51	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
22	[0.20] C	[0.20] B	[0.20] C	[0.20] A	B	[0.20] D	[0.20] A	[0.20] D	[0.20] D	[0.20] A	[0.20] C	[0.20] A
32	-											
22	[0.20] D	[0.20] C	[0.20]	[0.20] C	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20] B
33	_		D		B	A	D	A	A	D	A	
24	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
34	A	B	A	C	A	C	B	B	B	A	D	D
25	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
35	D	B	D	B	D	B	C	C	C	B	A	B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
36	B	A	A	A	A	D	B	D	C	D	B	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
37	D	C	C	D	A	D	B	D	B	D	B	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
38	D	В	А	D	C	В	C	A	В	C	С	В
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
39	C	С	А	A	D	В	C	A	D	В	D	В
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
40	A	С	С	С	В	A	A	D	C	C	D	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
41	A	A	С	С	В	D	В	В	D	В	С	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
42	В	В	В	D	D	В	C	В	В	D	A	В
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
43	В	C	Α	В	C	A	A	A	D	D	D	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
44	D	В	В	A	D	В	A	В	C	A	В	D
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
45	C	В	В	В	C	Α	С	C	Α	C	С	Α
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
46	В	D	D	В	C	D	C	D	В	В	С	A
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
47	В	В	А	С	Α	А	D	В	В	С	D	Α
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
48	A	A	A	C	B	D	C	D	C	B	C	B
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
49	A	D	B	A	B	C	B	A	C	B	C	C
	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]	[0.20]
50	D	A	C	A	D	C	C	D	B	A	B	A
50					-					-		