Q. Define the criteria, i.e. the basis, for applying partitioning.
A. Criteria #1. Number of Input Strings
   Criteria #2. Length of a String
   Criteria #3. Number of vowels in a String

Q. Define partitions ofr each crietrion.
A. Partitions for Criteria #1. Number of Input Strings
                Number of Input Strings = 0
                Number of Input Strings = 1
                Number of Input Strings = 2
                Number of Input Strings >= 3

   Partitions for Criteria #2. Length of a String
                Length of a String = 0, i.e. Null String
                Length of a String = 1
                Length of a String >= 2

   Partitions for Criteria #3. Number of vowels in a String
                Number of Vowels in a String = 0
                Number of Vowels in a String = 1
                Number of Vowels in a String >= 2

Q. Derive test cases from the partitions.
A.

Test Cases	Input Strings
#1	0 number of string
#2	1 number of string / 0 length / 0 number of vowels

#2	null string	
#3	1 number of string / 1 length / 0 number of vowels	
	B	
#4	1 number of string / 1 length / 1 number of vowels	
	A	
#5	1 number of string / 2 length / 0 number of vowels	
	CC	
#6	1 number of string / 2 length / 1 number of vowels	
	CE	
#7	1 number of string / 2 length / 2 number of vowels	
	EI	
#8	2 number of string	
	0 length / 0 number of vowels	0 length / 0 number of vowels
	null string	null string
#9	2 number of string	
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	null string	B
#10	2 number of string	
	0 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	null string	A
#11	2 number of string	
	0 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	null string	CC
#12	2 number of string	
	0 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	null string	CE
#13	2 number of string	
	0 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	null string	EI

#14	2 number of string	
	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	B	null string
#15	2 number of string	
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	B	B
#16	2 number of string	
	1 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	B	A
#17	2 number of string	
	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	B	CC
#18	2 number of string	
	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	B	CE
#19	2 number of string	
	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	B	EI
#20	2 number of string	
	1 lengh / 1 number of vowels	0 length / 0 number of vowels
	A	null string
#21	2 number of string	
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	A	B
#22	2 number of string	
	1 lengh / 1 number of vowels	1 lengh / 1 number of vowels
	A	A
#23	2 number of string	
	1 lengh / 1 number of vowels	2 lengh / 0 number of vowels

	A	CC
#24	2 number of string	
	1 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	A	CE
#25	2 number of string	
	1 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	A	EI
#26	2 number of string	
	2 lengh / 0 number of vowels	0 length / 0 number of vowels
	CC	null string
#27	2 number of string	
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CC	B
#28	2 number of string	
	2 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	CC	A
#29	2 number of string	
	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	CC	CC
#30	2 number of string	
	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	CC	CE
#31	2 number of string	
	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	CC	EI
#32	2 number of string	
	2 lengh / 1 number of vowels	0 length / 0 number of vowels
	CE	null string
	2 number of string	

#33	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	CE	B
#34	2 number of string	
	2 lengh / 1 number of vowels	1 lengh / 1 number of vowels
	CE	A
#35	2 number of string	
	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels
	CE	CC
#36	2 number of string	
	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	CE	CE
#37	2 number of string	
	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	CE	EI
#38	2 number of string	
	2 lengh / 2 number of vowels	0 length / 0 number of vowels
	EI	null string
#39	2 number of string	
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	EI	B
#40	2 number of string	
	2 lengh / 2 number of vowels	1 lengh / 1 number of vowels
	EI	A
#41	2 number of string	
	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels
	EI	CC
#42	2 number of string	
	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels
	EI	CE

#43	2 number of string		
	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels	
	EI	EI	
#44	3 number of string		
	0 length / 0 number of vowels	0 length / 0 number of vowels	0 length / 0 number of vowels
	null string	null string	null string
#45	3 number of string		
	0 lengh / 0 number of vowels	0 length / 0 number of vowels	1 lengh / 0 number of vowels
	null string	null string	B
#46	3 number of string		
	0 lengh / 0 number of vowels	0 length / 0 number of vowels	1 lengh / 1 number of vowels
	null string	null string	A
#47	3 number of string		
	0 lengh / 0 number of vowels	0 length / 0 number of vowels	2 lengh / 0 number of vowels
	null string	null string	CC
#48	3 number of string		
	0 lengh / 0 number of vowels	0 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	null string	null string	CE
#49	3 number of string		
	0 lengh / 0 number of vowels	0 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	null string	null string	EI
#50	3 number of string		
	0 length / 0 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	null string	B	null string
#51	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	null string	B	B
#52	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 1 number of vowels

	null string	B	A
#53	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	null string	B	CC
#54	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	null string	B	CE
#55	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	null string	B	EI
#56	3 number of string		
	0 length / 0 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	null string	B	null string
#57	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	null string	B	B
#58	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	null string	B	B
#59	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	null string	B	CC
#60	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	null string	B	CE
#61	3 number of string		
	0 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	null string	B	EI
	3 number of string		

#62	0 length / 0 number of vowels	2 lengh / 0 number of vowels	0 length / 0 number of vowels
	null string	CC	null string
#63	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	null string	CC	B
#64	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	null string	CC	B
#65	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	null string	CC	CC
#66	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	null string	CC	CE
#67	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	null string	CC	EI
#68	3 number of string		
	0 length / 0 number of vowels	2 lengh / 1 number of vowels	0 length / 0 number of vowels
	null string	CE	null string
#69	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	null string	CE	B
#70	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	null string	CE	B
#71	3 number of string		
	0 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels
	null string	CE	CC

	3 number of string		
#72	0 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	null string	CE	CE
	3 number of string		
#73	0 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	null string	CE	EI
	3 number of string		
#74	0 length / 0 number of vowels	2 lengh / 2 number of vowels	0 length / 0 number of vowels
	null string	EI	null string
	3 number of string		
#75	0 lengh / 0 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	null string	EI	B
	3 number of string		
#76	0 lengh / 0 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	null string	EI	B
	3 number of string		
#77	0 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels
	null string	EI	CC
	3 number of string		
#78	0 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels
	null string	EI	CE
	3 number of string		
#79	0 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels
	null string	EI	EI
	3 number of string		
#80	1 lengh / 0 number of vowels	0 length / 0 number of vowels	0 length / 0 number of vowels
	B	null string	null string
	3 number of string		
#81	1 lengh / 0 number of vowels	0 length / 0 number of vowels	1 lengh / 0 number of vowels

	B	null string	B
#82	3 number of string		
	1 lengh / 0 number of vowels	0 length / 0 number of vowels	1 lengh / 1 number of vowels
	B	null string	A
#83	3 number of string		
	1 lengh / 0 number of vowels	0 length / 0 number of vowels	2 lengh / 0 number of vowels
	B	null string	CC
#84	3 number of string		
	1 lengh / 0 number of vowels	0 length / 0 number of vowels	2 lengh / 1 number of vowels
	B	null string	CE
#85	3 number of string		
	1 lengh / 0 number of vowels	0 length / 0 number of vowels	2 lengh / 2 number of vowels
	B	null string	EI
#86	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	B	B	null string
#87	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	B	B	B
#88	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	B	B	A
#89	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	B	B	CC
#90	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	B	B	CE
	3 number of string		

#91	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	B	B	EI

#92	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	B	B	null string

#93	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	B	B	B

#94	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	B	B	B

#95	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	B	B	CC

#96	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	B	B	CE

#97	3 number of string		
	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	B	B	EI

#98	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels	0 length / 0 number of vowels
	B	CC	null string

#99	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	B	CC	B

#100	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	B	CC	B

#101	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	B	CC	CC
#102	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	B	CC	CE
#103	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	B	CC	EI
#104	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels	0 length / 0 number of vowels
	B	CE	null string
#105	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	B	CE	B
#106	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	B	CE	B
#107	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels
	B	CE	CC
#108	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	B	CE	CE
#109	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	B	CE	EI
#110	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels	0 length / 0 number of vowels

	B	EI	null string
#111	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	B	EI	B
#112	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	B	EI	B
#113	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels
	B	EI	CC
#114	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels
	B	EI	CE
#115	3 number of string		
	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels
	B	EI	EI
#116	3 number of string		
	1 lengh / 1 number of vowels	0 length / 0 number of vowels	0 length / 0 number of vowels
	A	null string	null string
#117	3 number of string		
	1 lengh / 1 number of vowels	0 length / 0 number of vowels	1 lengh / 0 number of vowels
	A	null string	B
#118	3 number of string		
	1 lengh / 1 number of vowels	0 length / 0 number of vowels	1 lengh / 1 number of vowels
	A	null string	A
#119	3 number of string		
	1 lengh / 1 number of vowels	0 length / 0 number of vowels	2 lengh / 0 number of vowels
	A	null string	CC
	3 number of string		

#120	1 lengh / 1 number of vowels	0 length / 0 number of vowels	2 lengh / 1 number of vowels
	A	null string	CE
#121	3 number of string		
	1 lengh / 1 number of vowels	0 length / 0 number of vowels	2 lengh / 2 number of vowels
	A	null string	EI
#122	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	A	B	null string
#123	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	A	B	B
#124	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	A	B	A
#125	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	A	B	CC
#126	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	A	B	CE
#127	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	A	B	EI
#128	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	A	B	null string
#129	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	A	B	B

#130	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	A	B	B
#131	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	A	B	CC
#132	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	A	B	CE
#133	3 number of string		
	1 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	A	B	EI
#134	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 0 number of vowels	0 length / 0 number of vowels
	A	CC	null string
#135	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	A	CC	B
#136	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	A	CC	B
#137	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	A	CC	CC
#138	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	A	CC	CE
#139	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels

	A	CC	EI
#140	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 1 number of vowels	0 length / 0 number of vowels
	A	CE	null string
#141	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	A	CE	B
#142	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	A	CE	B
#143	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels
	A	CE	CC
#144	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	A	CE	CE
#145	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	A	CE	EI
#146	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 2 number of vowels	0 length / 0 number of vowels
	A	EI	null string
#147	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	A	EI	B
#148	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	A	EI	B
	3 number of string		

#149	1 lengh / 1 number of vowels	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels
	A	EI	CC
#150	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels
	A	EI	CE
#151	3 number of string		
	1 lengh / 1 number of vowels	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels
	A	EI	EI
#152	3 number of string		
	0 length / 0 number of vowels	0 length / 0 number of vowels	0 length / 0 number of vowels
	null string	null string	null string
#153	3 number of string		
	2 lengh / 0 number of vowels	0 length / 0 number of vowels	1 lengh / 0 number of vowels
	CC	null string	B
#154	3 number of string		
	2 lengh / 0 number of vowels	0 length / 0 number of vowels	1 lengh / 1 number of vowels
	CC	null string	A
#155	3 number of string		
	2 lengh / 0 number of vowels	0 length / 0 number of vowels	2 lengh / 0 number of vowels
	CC	null string	CC
#156	3 number of string		
	2 lengh / 0 number of vowels	0 length / 0 number of vowels	2 lengh / 1 number of vowels
	CC	null string	CE
#157	3 number of string		
	2 lengh / 0 number of vowels	0 length / 0 number of vowels	2 lengh / 2 number of vowels
	CC	null string	EI
#158	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	CC	B	null string

#159	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CC	B	B
#160	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	CC	B	A
#161	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	CC	B	CC
#162	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	CC	B	CE
#163	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	CC	B	EI
#164	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	CC	B	null string
#165	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CC	B	B
#166	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CC	B	B
#167	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	CC	B	CC
#168	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels

	CC	B	CE
#169	3 number of string		
	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	CC	B	EI
#170	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels	0 length / 0 number of vowels
	CC	CC	null string
#171	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CC	CC	B
#172	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CC	CC	B
#173	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	CC	CC	CC
#174	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	CC	CC	CE
#175	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	CC	CC	EI
#176	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels	0 length / 0 number of vowels
	CC	CE	null string
#177	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	CC	CE	B
	3 number of string		

#178	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	CC	CE	B
#179	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels
	CC	CE	CC
#180	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	CC	CE	CE
#181	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	CC	CE	EI
#182	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels	0 length / 0 number of vowels
	CC	EI	null string
#183	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	CC	EI	B
#184	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	CC	EI	B
#185	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels
	CC	EI	CC
#186	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels
	CC	EI	CE
#187	3 number of string		
	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels
	CC	EI	EI

#188	3 number of string		
	2 lengh / 1 number of vowels	0 length / 0 number of vowels	0 length / 0 number of vowels
	CE	null string	null string
#189	3 number of string		
	2 lengh / 1 number of vowels	0 length / 0 number of vowels	1 lengh / 0 number of vowels
	CE	null string	B
#190	3 number of string		
	2 lengh / 1 number of vowels	0 length / 0 number of vowels	1 lengh / 1 number of vowels
	CE	null string	A
#191	3 number of string		
	2 lengh / 1 number of vowels	0 length / 0 number of vowels	2 lengh / 0 number of vowels
	CE	null string	CC
#192	3 number of string		
	2 lengh / 1 number of vowels	0 length / 0 number of vowels	2 lengh / 1 number of vowels
	CE	null string	CE
#193	3 number of string		
	2 lengh / 1 number of vowels	0 length / 0 number of vowels	2 lengh / 2 number of vowels
	CE	null string	EI
#194	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	CE	B	null string
#195	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CE	B	B
#196	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	CE	B	A
#197	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels

	CE	B	CC
#198	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	CE	B	CE
#199	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	CE	B	EI
#200	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	CE	B	null string
#201	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CE	B	B
#202	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CE	B	B
#203	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	CE	B	CC
#204	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	CE	B	CE
#205	3 number of string		
	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	CE	B	EI
#206	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels	0 length / 0 number of vowels
	CE	CC	null string
	3 number of string		

#207	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CE	CC	B
#208	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	CE	CC	B
#209	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	CE	CC	CC
#210	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	CE	CC	CE
#211	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	CE	CC	EI
#212	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels	0 length / 0 number of vowels
	CE	CE	null string
#213	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	CE	CE	B
#214	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	CE	CE	B
#215	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels
	CE	CE	CC
#216	3 number of string		
	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	CE	CE	CE

	3 number of string		
#217	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	CE	CE	EI
	3 number of string		
#218	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels	0 length / 0 number of vowels
	CE	EI	null string
	3 number of string		
#219	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	CE	EI	B
	3 number of string		
#220	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	CE	EI	B
	3 number of string		
#221	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels
	CE	EI	CC
	3 number of string		
#222	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels
	CE	EI	CE
	3 number of string		
#223	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels
	CE	EI	EI
	3 number of string		
#224	2 lengh / 2 number of vowels	0 length / 0 number of vowels	0 length / 0 number of vowels
	EI	null string	null string
	3 number of string		
#225	2 lengh / 2 number of vowels	0 length / 0 number of vowels	1 lengh / 0 number of vowels
	EI	null string	B
	3 number of string		
#226	2 lengh / 2 number of vowels	0 length / 0 number of vowels	1 lengh / 1 number of vowels

	EI	null string	A
#227	3 number of string		
	2 lengh / 2 number of vowels	0 length / 0 number of vowels	2 lengh / 0 number of vowels
	EI	null string	CC
#228	3 number of string		
	2 lengh / 2 number of vowels	0 length / 0 number of vowels	2 lengh / 1 number of vowels
	EI	null string	CE
#229	3 number of string		
	2 lengh / 2 number of vowels	0 length / 0 number of vowels	2 lengh / 2 number of vowels
	EI	null string	EI
#230	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	EI	B	null string
#231	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	EI	B	B
#232	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	1 lengh / 1 number of vowels
	EI	B	A
#233	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	EI	B	CC
#234	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	EI	B	CE
#235	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	EI	B	EI
	3 number of string		

#236	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	0 length / 0 number of vowels
	EI	B	null string

#237	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	EI	B	B

#238	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	EI	B	B

#239	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	EI	B	CC

#240	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	EI	B	CE

#241	3 number of string		
	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	EI	B	EI

#242	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels	0 length / 0 number of vowels
	EI	CC	null string

#243	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	EI	CC	B

#244	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels	1 lengh / 0 number of vowels
	EI	CC	B

#245	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels	2 lengh / 0 number of vowels
	EI	CC	CC

#246	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels	2 lengh / 1 number of vowels
	EI	CC	CE
#247	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels	2 lengh / 2 number of vowels
	EI	CC	EI
#248	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels	0 length / 0 number of vowels
	EI	CE	null string
#249	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	EI	CE	B
#250	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels	1 lengh / 0 number of vowels
	EI	CE	B
#251	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels	2 lengh / 0 number of vowels
	EI	CE	CC
#252	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels	2 lengh / 1 number of vowels
	EI	CE	CE
#253	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels	2 lengh / 2 number of vowels
	EI	CE	EI
#254	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels	0 length / 0 number of vowels
	EI	EI	null string
#255	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels

	EI	EI	B
#256	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels	1 lengh / 0 number of vowels
	EI	EI	B
#257	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels	2 lengh / 0 number of vowels
	EI	EI	CC
#258	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels	2 lengh / 1 number of vowels
	EI	EI	CE
#259	3 number of string		
	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels	2 lengh / 2 number of vowels
	EI	EI	EI

Q. Compute the total number of test cases in the table of test cases.

A. $(1 + 6 + 6^2 + 6^3) = 259$