

QUERY
UniRef90_A0MQ41
UniRef90_Q6SZ69
UniRef90_E5FPX8
UniRef90_A1E2A8
UniRef90_B6REZ6
UniRef90_X5CT94
UniRef90_A6Y7R6
UniRef90_I6M4J5
UniRef90_Q80FJ2
UniRef90_W8P1B1
UniRef90_O72465

M	E	V	C	L	P	N	G	H	Q	V	V	D	L	I	N	N	A	F	E	G	R	V	S	Y	S	A	Q	E	G	W	D	K	T	I	S	A	P		
M	E	V	R	V	P	N	F	H	S	F	V	E	G	I	T	S	S	Y	L	K	T	P	A	C	W	N	A	Q	T	A	W	D	T	V	T	F	H	V	P
M	E	V	R	V	P	N	F	H	S	F	V	E	G	I	T	S	S	Y	I	R	A	P	A	C	W	N	A	K	T	M	W	N	I	E	T	F	H	L	P
M	E	V	R	V	P	N	F	H	S	F	V	E	G	I	T	S	S	Y	L	R	S	P	A	C	W	N	S	K	T	L	W	D	L	E	E	F	H	T	P
M	E	V	R	V	P	N	F	H	S	F	V	E	G	I	T	S	S	Y	I	R	A	P	A	C	W	D	S	R	S	A	W	D	S	D	I	F	H	D	P
M	E	V	R	A	P	N	F	H	S	F	V	E	G	I	T	S	S	Y	I	R	A	P	A	C	W	D	S	R	T	Y	W	S	D	L	E	F	N	D	P
M	E	V	R	A	P	N	F	H	S	F	V	E	G	I	T	S	S	Y	I	R	A	P	A	C	W	D	S	R	T	Y	W	S	L	E	F	H	E	P	
M	E	V	R	T	P	N	F	H	S	F	V	E	G	I	T	S	S	Y	I	R	A	P	A	C	W	D	S	R	T	Y	W	S	L	E	F	H	E	P	
M	E	L	P	L	V	Q	H	H	S	V	I	E	A	I	R	N	S	Y	N	N	I	I	P	S	Y	K	T	G	K	G	W	I	V	N	E	Y	T	E	P
M	E	L	P	L	I	Q	H	H	S	V	I	E	G	I	R	H	S	Y	D	N	I	I	P	S	F	R	T	G	E	G	W	I	V	D	T	Y	K	D	P
M	E	V	P	L	V	H	A	H	S	V	L	E	G	L	S	S	A	□	H	D	V	I	P	A	Y	S	S	T	Y	G	W	□	G	D	E	F	A	Y	P

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jnet
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sol5
sol0
jhmm
jpssm

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UniRef90_B6REZ6
UniRef90_X5CT94
UniRef90_A6Y7R6
UniRef90_I6M4J5
UniRef90_Q80FJ2
UniRef90_W8P1B1
UniRef90_O72465

D	M	M	V	C	G	G	A	V	V	C	M	H	C	□	G	V	V	G	S	L	Q	R	K	□	K	H	□	P	H	H	R	C	N	Q	Q	□	R	H	Q
D	V	I	R	V	G	N	A	Y	C	C	S	Q	C	C	G	V	L	G	T	L	P	A	D	G	N	Y	F	P	H	H	K	C	H	Q	Q	Q	Y	R	T
D	V	I	K	V	G	N	A	Y	C	C	S	Q	C	C	G	V	L	G	A	P	P	S	D	G	N	C	F	P	H	H	K	C	H	Q	Q	Q	Y	R	S
D	V	I	R	V	G	N	A	Y	C	C	T	Q	C	C	G	V	L	G	A	P	P	T	D	G	□	C	F	P	H	H	K	C	H	Q	Q	Q	Y	R	T
D	V	I	K	V	G	N	A	Y	C	C	T	Q	C	C	G	V	L	G	A	A	K	T	G	D	E	A	F	P	H	H	K	C	H	Q	Q	Q	Y	R	F
D	V	I	K	V	G	N	A	Y	C	C	A	A	C	C	G	V	L	G	Y	□	P	A	G	Q	T	P	F	P	H	H	R	C	H	Q	Q	N	T	R	F
D	V	I	R	L	G	N	A	Y	C	C	A	Q	C	C	G	V	L	G	Y	R	P	□	N	Y	P	F	P	H	H	R	C	H	Q	Q	Y	R	E		
D	V	I	R	L	G	N	A	Y	C	C	S	Q	C	C	G	V	L	G	T	L	P	A	D	G	N	Y	F	P	H	H	K	C	H	Q	Q	Y	R	T	
E	I	V	K	V	G	Q	A	Y	C	C	S	Q	C	C	G	V	L	G	A	P	K	E	G	E	E	F	Y	H	H	K	C	H	A	R	Y	N	V	T	
E	I	V	K	V	G	Q	A	Y	C	C	S	Q	C	C	G	V	L	H	Y	P	P	K	E	G	E	F	Y	H	H	K	C	H	A	R	Y	G	P	S	
D	V	K	L	G	N	A	Y	V	C	T	R	C	C	G	V	L	H	Y	G	E	M	G	G	N	P	F	□	R	H	□	K	Q	T	H	S	Y	D		

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UniRef90_I6M4J5
UniRef90_Q80FJ2
UniRef90_W8P1B1
UniRef90_O72465

D	Y	V	D	V	Q	F	A	D	R	V	T	A	H	W	K	R	G	M	□	S	V	A	Q	M	H	E	M	M	N	D	V	S	P	D	D	L	D	R	
D	T	P	L	L	R	Y	V	G	R	T	T	E	H	□	L	L	D	Q	Y	A	V	□	E	S	□	A	D	H	Y	D	E	I	S	Q	R	M	V	D	
D	T	P	L	L	R	Y	V	G	R	T	T	E	H	□	L	L	D	Q	Y	A	V	T	L	Q	T	□	A	D	Y	Y	D	E	A	S	H	R			
E	T	P	L	M	R	Y	V	G	R	T	T	E	Q	□	L	L	D	Q	Y	A	V	T	L	H	V	I	A	D	Y	Y	D	E	A	S	K	Q	P	Q	D
D	N	P	L	L	R	F	V	G	R	T	T	E	H	□	L	L	D	Q	Y	A	V	I	L	S	C	I	A	D	H	Y	E	K	A	A	Q	S	R	D	
N	T	P	L	L	R	F	V	G	R	T	T	E	H	□	L	L	D	Q	Y	A	V	I	L	S	C	I	A	D	H	Y	E	K	A	A	Q	S	R	D	
N	T	P	L	L	R	F	V	G	R	T	T	E	H	□	L	L	D	Q	Y	A	V	I	L	S	C	I	A	D	H	Y	E	K	A	A	Q	S	R	D	
T	S	P	F	L	R	K	V	G	R	V	T	E	H	Y	N	A	M	W	L	T	S	L	E	H	M	S	Q	A	N	D	A	D	L	T	D				
T	S	P	F	L	R	R	T	T	D	M	V	R	E	H	Y	A	V	W	Q	S	L	D	H	□	S	D	E	K	N	□	Q	D	K	E	P				
D	T	P	L	L	R	Y	V	G	R	T	T	E	H	□	L	L	D	Q	Y	A	V	L	E	S	I	A	D	H	Y	D	E	I	S	Q	R	M	V	D	
N	T	P	L	N	N	F	A	G	R	T	R	H	I	F	D	A	H	C	A	L	T	H	H	I	Q	D	I	T	D	A	D	D	R	E	A	D	T		
N	T	P	L	N	V	A	F	T	G	R	T	R	H	I	F	D	S	H	C	A	L	T	H	H	I	Q	D	I	A	D	V	E	G	S	E	G	D		
T	S	P	D	L	Y	K	L	S	R	I	T	R	R	Y	D	A	H	V	N	I	L	T	W	A	N	N	I	T	D	K	T	N	E						

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sol25
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**lupas_21
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lupas_28**

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sol0
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jpssm

	170	180	190	200
T K [L] D Q Y W T A L N [L] M	D S S D [L] I P N F M M R D P S H A F N G [V] K [L] G Q D			
S R R D I A A S C W R M V	D A S S T L P N C L V S P S L H S R S V F G Q M			
S R R D I A A S I [W] T M I	D A S A T L P D C L V S P S L H S R H I F D Q M			
A R H E I A R A G W K M I	D A S S T L P D C L V S N M L H T R H V F S Q M			
A R S D I A T A G W R M I	D A S S T L P D C V V S N L L H T R H V F S Q M			
N Q T M T N A M M I H D A M	D A S S T L P D C V F L E A L H A P S A I T P V V			
T N A H [L] I Y D A M S S I	D A S S T L P D C F M S E K L H T R N A I V			
K L S E V A G T H G L L	P D C L L N V A T H D H T A L K M T A P			
S R R D I A A S C W I M I	P N C L V S P S L H S R S V F G Q M			
T L A N N L T T G R L A E I I L	D G A K M W S S V L S P P E T H M E N V L R G M			
A N D K I V T K R L G E I I L	D Q G Q I W S S S M L S P P E T L I T D V V R G T Q			
T S E H Q Y G T V W N E R F E	Q F F V Q R E L V S P R R K I R T L L R F F I N			

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lupas_28

jpssm

A	R	Q	T	Q	F	S	R	T	F	D	S	R	S	S	L	E	W	G	V	M	V	Y	D	Y	S	E	L	E	H	D	P	S	K	G	R	A	Y	R	K
Q	T	T	T	T	I	Y	D	V	A	A	S	G	K	A	V	K	F	S	P	M	V	A	T	L	S	Q	R	D	A	G	P	V	K						
L	T	T	T	T	S	I	Y	D	V	A	A	S	G	K	T	A	R	F	S	P	M	V	A	L	P	Q	R	A	A	G	P	I							
L	T	T	T	T	I	Y	D	V	A	V	T	G	K	A	V	K	F	S	P	M	V	V	T	M	P	T	R	G	D	G	A	V							
L	T	T	T	T	A	Y	D	V	A	V	T	G	K	P	A	K	F	S	P	L	V	A	V	M	P	T	R	D	S	G	V	I							
Y	D	N	Y	T	I	F	D	V	X	A	H	G	P	R	A	L	Q	P	M	V	S	A	M	P	K	M	D	R	N	T	G	Q	V	R	M	T	H		
M	D	T	M	S	I	Y	D	V	V	T	L	G	R	P	A	R	L	Q	P	L	A	L	A	P	I	P	M	S	E	K	H	D	G	F	E	R	L	A	
V	L	N																																					
Q	T	T	T	T	I	Y	D	V	A	A	S	G	K	A	A	K	F	S	P	M	V	A	T	L	S	Q	R	D	A	G	P	V							
Q	I	D	A	N	P	Y	E	W	Q	V	T	R	S	G	A	G	R	G	G	F	I																		
L	F	A	T	P	Y	D	W	Q	R	T	G	N	T	A	S																								
V	L	S	D	E	Y	Y	P	V	F	I	P	G	G	E	G	K	W	S	P	M	P	S	M	I	P	Q	L	V	R	G	T	S	P	G	N	D	T	F	

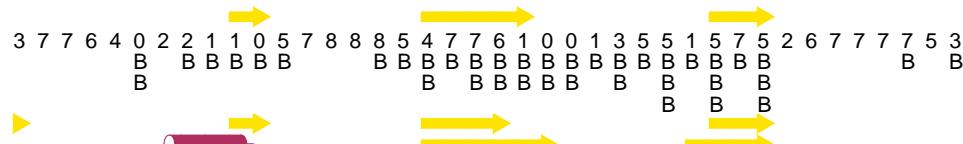
lupas_21
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jnet

The diagram shows a sequence of binary digits (0s and 1s) arranged horizontally. Above the sequence, each digit is labeled with its corresponding value: 7, 7, 7, 3, 1, 0, 0, 1, 3, 2, 1, 5, 7, 7, 7, 7, 6, 4, 3, 0, 7, 8, 7, 1, 1, 3, 6, 7, 8, 7, 6, 3, 1, 1, 0, 0, 1, 1, 0, 1. Below the sequence, the digits are grouped into pairs, indicated by the labels B and BB. Three yellow arrows point from left to right, highlighting the groups (B, BB), (BB, B), and (B, BB). A fourth yellow arrow points to the right, indicating the continuation of the sequence. A small circle with a minus sign (-) is placed below the final digit '1'.

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UniRef90_I6M4J5
UniRef90_Q80FJ2
UniRef90_W8P1B1
UniRef90_O72465

250	260	270	280
E [L] V T P A R D F G H F G [L] S H Y S R A T T P [I] L G K M P A V F S G M [] T G N C	A N A D P A E G [V] Y S F W T S H F A F S P L I G G V G I T G Q A R E S Y H H	S D A D P L D G V A T F W S P Q F A L S P M I G G V G I T G Q A R E S Y H H	G N L D H D V E D C W M D G F C I L P P I I G G V G I T G Q F E R S Y H N
D N W D H D V E D A W L N G F A F S P I I G G V G I S G Q F D R G A H N	H T K T S V I D S I S C N S V T I T S P I L G G G C S V L A N K P E P T T W	R S H T P A S M T R V L S D T S G V I T S P V L G G G L S V I A Y A P E P T T A	H V T K E V V A A A A L L K P E H V I V T P I M A G L P V L A R S H Q P S [] R
R V T D S L K L D N H C L S P M P A G V M V Q L R A T V D G P P	S F K K N A L S V G S L K L D S H C L S P M P A G V M V Q L R A M M D G P P	S E H H G D I K K Y L L G T D L I V A P L A G N V P L I I G P L D D R Y S	

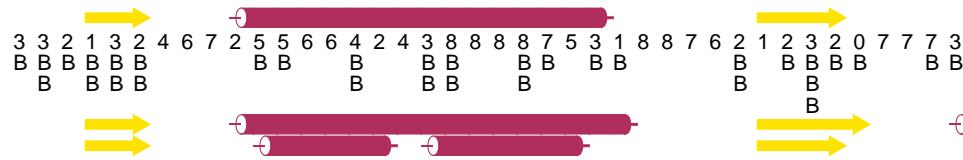
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UniRef90_X5CT94
UniRef90_A6Y7R6
UniRef90_I6M4J5
UniRef90_Q80FJ2
UniRef90_W8P1B1
UniRef90_O72465

290	300	310	320
K M Y P F I K G T A K [L] K T V R K L V E A V N H A W G V E K I R Y A [] G P G G M	V G H P V I G S G K K K A S H Y R N L F M E S W R G W S K S A F A C A T G E S R L	V G H P V I G S G K K K V S H Y R N L F M D A W R G W S K S S F T C A V G E L R L	F G H P M V G S G K K K A S H Y R N L F M E S W R G W S K S S F T C A V G E L R L
V G H P M V G S G K K K V S H Y R N L F M E V C R G W S M S A F T C A V G E L R L	Y G H P M V G S G K K K V S H Y R N L F M E V C R G W S M S A F T C A V G E L R L	L G R P M I S T G K K A E Q N R N I F M E M Q L G Y S A P G F R T M V G E S R L	L G T P V V S S G K K A E H Y R N I F T D M A H G W S T S L Y R T M L G E S R L
V G M P L V E S T Q K A S [L] Y R S L P H Q [] A H G Y H S D T F R T M F G E S R L	S P S V Y I C D K E K A E H Y R N I M K N I L A G W H Q S A	A P K L Y I C D R D K A T H Y R Q V M K G M L Q G W H A A A K S V A F P L G V	R P M P Y V R E T Q K A L C N N L L V R I T K G W S Q D Q Y T C P M G V I A T

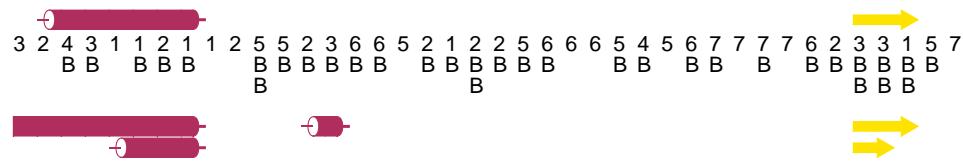
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UniRef90_X5CT94
UniRef90_A6Y7R6
UniRef90_I6M4J5
UniRef90_Q80FJ2
UniRef90_W8P1B1
UniRef90_O72465

330	340	350	360
T G W Y N R T M Q Q A P I V L T P A A L T M F P D T I K F G D L N Y P V M I G D	R G H A R T M L G R S P N V Q S G A V L T S L Q K T T K F	S L P D I C D F E E T T H V G Q S S A P L	
R G H A R T M F G R S L P D I C D F E E T T H V G Q S S A P L	R G Q A R T M L G R A S L P D I C D F E E T T H V G Q S S A P L	L P D V C D F G E T I H	
L G H H R T M L G S S A L I S I P	S G H H R T M L D T A P L F M T E P A		
S G H H R T M L D T A P L F M T E P A	I G H H R T M L C T L P A I E T S P		
D R H E Q M L H D Q A	E K W F S S V L		

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