

1 10 20 30 40

QUERY	UniRef90_1H1KY2Z2	UniRef90_F8AMD5	UniRef90_N6VTX5	UniRef90_D5VQN2	UniRef90_UP10003785F25	UniRef90_S0ANZ3	UniRef90_O27110	UniRef90_A4FZU4	UniRef90_U6E9L7	UniRef90_B5IE19	UniRef90_UP10003669C69	UniRef90_M1P8P0	UniRef90_L9WAJ2	UniRef90_T0MEU5	UniRef90_K4MF25	UniRef90_M0NSJ8	UniRef90_T0MVK9	UniRef90_F7XPZ3	UniRef90_I3R1V6	UniRef90_R9SMJ9	UniRef90_Q97AR0	UniRef90_B0R2P9	UniRef90_M0BF26	UniRef90_M0LSJ7	UniRef90_M0MUB9	UniRef90_M0D4T4	UniRef90_D4GS47	UniRef90_V4J1L5	UniRef90_T0LX74	UniRef90_G2MHW7	UniRef90_L9X6J5	UniRef90_L0KXK0	UniRef90_R9TA71	UniRef90_L0JWA7	UniRef90_U1PA18	UniRef90_F8D575	UniRef90_U1QBX0	UniRef90_F6D1X5	UniRef90_E7QTW6	UniRef90_J3JHG0	UniRef90_D3DZK3	UniRef90_T0ZYR0	UniRef90_F0T6K2	UniRef90_Q12U09	UniRef90_Q8TX89	UniRef90_Q648S1	UniRef90_M0M6U3	UniRef90_T1CN10	UniRef90_M9SDB2	UniRef90_D7DUP9	UniRef90_A0B8T4	UniRef90_D7E952	UniRef90_UP100035C5026	UniRef90_G7WR82	UniRef90_TOLPE7	UniRef90_W9DQ31	UniRef90_V4YMX3	UniRef90_C7NZ23	UniRef90_M1XTR2	UniRef90_L9ZXJ0	UniRef90_M0MT85	UniRef90_H8I5D3	UniRef90_L0HEE5	UniRef90_J0S142	UniRef90_D5E9X2	UniRef90_Q0W4A8	UniRef90_U2YSA3	UniRef90_Q5V023	UniRef90_D8J945	UniRef90_Q3IU86	UniRef90_Q2NE19	UniRef90_I7J859	UniRef90_E1RK24	UniRef90_Q2FMU5	UniRef90_B8GKP8	UniRef90_E8R9F2	UniRef90_E3WG9	UniRef90_M4YMR7	UniRef90_Q6L2J9	UniRef90_F7PF88	UniRef90_X1ENK9	UniRef90_U1NR32	UniRef90_U1NGZ5	UniRef90_A2SRP6	UniRef90_T1BIE1	UniRef90_X0YUX8	UniRef90_L9XEF1	UniRef90_E0SQQ2	UniRef90_D5U167	UniRef90_E6N441	UniRef90_H1Z1P7
S L R V E E T E V F K K Y F K N L T D R E R A V F E G G I T L G A L F H Q F V	K R I E E N E V F K S Y F K N L T D R E R A V F E G G I T L G A L F H Q F V	M K L E E N E I F N S Y F K N L S D R E R A V F E G G I T L G A L F H Q F V	M R V E E E E L F K Y F K N L S Q R E R A V F E G G I T L G A L F H Q F V	K K L E K D E I F D S Y F K N L S D R E R A V F E G G I T L G A L F H Q F V	N D P S R K Y F N C T D R E R A I F E S G I S M G A L F H Q F V	N E P G E K Y F S N L S D R E R A I F E G G I S L G A L F H Q F V	K S L E K N E I F E S Y F K N L S D R E R A V F E G G I T M G A L F H Q F V	E K Y F Q N I T T R E R A I F E G A I T M G A L F H Q F V	K V D K A K K Y F N C S S E R A A F E A G I K L G T V Y H Q F V	M K A S R E E R A A D Y F N C T I T D R D N A L F E E A G I K L G A L Y H Q F T	D P A R K Y F H C T D R E R A I F E S G I K L G A I F H Q Y T G	N V T D R D N A L F E E A G I K L G A L Y H Q F T G	D I A E Q F F N C S N R E R A I F E E A G I K F G S L Y H Q F A G	S S I T D R D N A L F E E A G I K L G A L Y H Q F T G	D V N E K Y F S N I T S R E R A I F E E A G I T M G A L F H Q F V	V T D P Q T A C F E E A G I K F G T L Y H Q F A G	K D P A A H Y F K C T S R E R A I F E E A G I K L G T V Y H Q Y V	T D P C T V A E A A C F E E A G I K F G A L Y H Q F A G	P T D A Q Q A C F E E A G I K F G S L Y H Q F A G	T A P T D A E A A C F E E A G I K F G S L Y H Q F A G	P T D A Q Q A C F E E A G I K F G T L Y H Q F A G	D P A S K F F N C T D R E R A I F E E A G I K l G t i y h q y v	M S D P T D A Q Q A S F E E A G I K F G S l y h q f a g	E P T I A E E A A C F E E A G I K F G t l y h q f a g	K S I T E R D N A L F E E A G I K L G A L Y H Q F T G	M S P S R E E K V A E Y F N C S I R E R A V F E E A G I K L A A V Y H Q F I	T D A Q Q A A C F E E A G I K F G t l y h q f a g	P T D T E Q V C F E E A G I K F G S l y h q f a g	T A P T T G E A A A C F E E A G I K F G t l y h q f a g	D V N E Q Y F N N I S E R E R A I F E E A G I T M G A L F H Q F V	E P T T R D A A C F E E A G I K F G A L Y H Q F A G	P T D A Q E A C F E E A G I K F G t l y h q f a g	E K Y F S N I S N R E R A I F E E A G I S M G A L F H Q F V	R V T D R E Q A C F E E A G I K L G G l f h q f v	E K Y F N N I T N R E R A I F E E A G I T M G A L F H Q F V	T I T D R D N V L F E E A G I K L G A L Y H Q F T G	K Y F K R L S D R E R A I F E E A G I T M G A L Y H Q F C	M A E I T D R D T A L F E S G I K L G A L Y H Q F V	H D P A E P Y F N C T D R E R A I F E E A G I K l G t i y h q y v	R C N D R E R A C F E E A G I K M A T I Y H Q F V	S K R L E K D E I F N S Y F K N L T E K E R A V F E E G G I S M G A L F H Q F V	T P R E I A F E E A G I K L G A L Y H Q F T G	K S I D S E Q A V F E E A G I K L G A I Y H Q Y T G	D P A S K F F S C S N V E R A I F E E A G I K L G A L Y H Q F V	P T E R E A A A F E E A G I K L G A L Y H Q F T G	D P A T S Y F S C S D K E R A I F E E A G I V K L G S I Y H Q Y T G	T D P T K A E I A C F E E V G I K F G t l y h q f a g	V T S R D N A I F E E A G I K L G A L Y H Q F V	D R E Q A V F E E A G I K L G A L Y H Q W V	V S D R E Q A V F E E A G I K L G A L Y H Q W V	R P D D A Q I A A F E E A G I K L G A L Y H Q F T G	S V T P R D N A A F E E A G I K L G A L Y H Q F V	V S D A E E A A F E E V G I K F G A L Y H Q F A G	E P T A P Q E A C F E E A G I V K F G S l y h q f a g	E P T D A E T A C F E E A G I K F G t l y h q f t	P T T P Q E A C F E E A G I K F G t l y h q f a g	E Y Y F R N L S N R E R A I F E E G G I S M G A L Y H Q F V	I T D R E K A A F E E A G I K L G A I Y H Q F V	D K I Q A A F E E A G I K L G A L Y H Q W V	I T D R E R A A F E E A G I K L G A L Y H Q W V	T D R E Q A A F E E A G I K L G A L Y H Q W V	R S D P A A K Y F T K A T E R D R A V F E E A G I A L G M I A H Q F T G	E K K E I E K Y F K N L S N R E R A I F E E G G I S M G A L F H Q F V	M D S S R E T E A G S R F S C T E S E R A S F E E A G I K M A T V Y H Q F V	D P A E K Y F N C T D I Q R A F F E E A G I K L G A I F H Q Y T G	E P T D A H R A T F E L G I K F G A L Y H Q F A G	N D N E K V Y F S N V S R E R A S F E E A G I K L G A L Y H L C	N D N E K V Y F S N V S R E R A S F E E A G I K F G t l y h q f a g	P S E L E T A C F E E T G I K F G S l y h q f a g	T D R E N A V F E E A A I K L G A L Y H Q F V	H L T R R E A L L F E E A G I K L G G l f h q y l	E K Y F S D L S A R E R A C F E E T G I K L G A L Y H L S G	S T P T E A E A A C F E E A G I K F G S l y h q f a g	M D E H S S D P A K I Y F S K V V S N R D R A V F E E A G I A L G M V I H Q F M G	D P A K K Y F K D V T D R E R A A F E E A G I A L G M V I H Q F T G	E H D P G R K F F K E F S D R E R A V F E E A G I A L G A L F H S L I G	K A A F E E A G I K L G A L Y H Q W V														

QUERY

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	50	60	70	80
T P V S K Y N K E S L	E R A I E E A M K N Q P C V Y D I K V K I R N V G E K Y V			
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A P V S L K N K E L L	E E K S I E E S M K N Q P C V E D I K V K I D L K E D K Y V			
T P V S K N S K Y S L	E E R A I E E A M K N Q P C V Y D I K V K I N Y D G E E Y I V			
A P V S L N T K E S L	E E K A M E E S M K N Q P F V D D I E V K K I D L K K D S Y V			
T P V S L E T A D G L	E E I A M A E S L K N Q P F V E S V H I D R G E F G Y V			
T P V G E K T K T S L	E E I A M A E S L K N Q P F V E D V S V S I E I E D E G K Y V			
T P V N L E T A P S L	E E K A M E Q S L T L Q P C V I N S V E V R I N R E E Y Q Y L			
T P V S L E N V D A L	E E K A M E A S L K V Q P F V E S V T V S I D R S R E Y D Y Q			
T P V S S A N V E S S L	E E Q A I Q E S I S V V Q P F V E S V T V S I D R D E F G Y T			
S P V N L K T A S S L	E E Q A M E D S I T N Q P H C A A V T V D V A D S A A D Y T			
T P V S P D S A A S L	E E R A M E D S I T N Q P H C A A V T V D V A D S T A D Y T			
V P I N E N S N R E D I	E E R T I E K S I V M L Q P F V K S I V S V S I N D S F R Y M			
S P V N L K N A D S L	E E R T I L Q E S I A V V Q P F V K D I S V S I D R D E F G Y			
T P V S P S A R S L	E E A A M A E A I E N Q P H C E A V E V T V H I D D D E N G Y T			
A P V S L S N L E S L	E E E A I K Q S V L V Q P F V A D A S V K I N K G T Y K Y I			
S P V N L N T A D S L	E E E A K A S E S I S V Q P F V Q S I T V V S I D R D E F G Y C			
T P V S P E S A R S L	E E E A K A S E S I S V Q P Y C E S V S V D V A D S T A D Y T			
T P V N K K D S K E S L	E E R A M E E S I E N Q P P A I E E S V V D V A D S T A D Y T			
I P L N Q S N S S S L	E E R A M E E S I E N Q P P A I E E S V V D V A D S T A D Y T			
T P V S P A S A P S L	E E R A M E E S I I R N Q P F C E G V A V D I K D V E H G Y T			
T P V S P A S A D S V	E E R A M E D A I E N Q P H C V A D A S V K I N K G T Y K Y I			
T P V S P D S A D S V	E E R A M E D A I E N Q P H C R A V A D V R E D E A D Y T			
T P V S P E S A A S L	E E R A M E E S I E N Q P Y C E S V S V T V I L V D E H G Y T			
T P V S P E S A D S L	E E R A M E E S I E N Q P H C E D D V R V R V T V I L V D E H G Y T			
T P V S P D S A R S L	E E R A M A E A I E N Q P H C E S V S V T V H I L D D D A A D Y T			
T P V S P D S A R S L	E E R A M A E A I E N Q P H C E S V S V T V H I L D D D A A D Y T			
T P V S P D S A R S L	E E R A M A E A I E N Q P H C E S V S V T V H I L D D D A A D Y T			
A P L N L S N V E S S L	E E R A M A E A I E N Q P P F V E E A H V K I D K G V Y K Y I			
T P V S P D S T R S L L	E E R A M E E A I I E N Q P P F V E E V S V T V I L D D D E N G Y T			
T P V S P D S A A S L	E E R A M E E A I I E N Q P P F V E E V S V T V I L D D D E N G Y T			
T P V S P D S T R S L L	E E R A M E E A I I E N Q P P F V E E V S V T V I L D D D E N G Y T			
S P V N L K T V E S S L	E E R A M E E A S I I E N Q P P F V E E V S V T V I L D D D E N G Y T			
T P V I S A S N A E S L	E E R A I E E E G V K V Q P F V E D V K V S V D R S E E Y D Y Q			
T P V V A P E S A A S L	E E T A I I E E A I I E N Q P P Y C T D A T V V E I I R R G E E A E Y T			
T P V S P D S T R S L L	E E T A M E E S I I E N Q P P Y C T D A T V V E I I R R G E E A E Y T			
T P V S P D S T R S L L	E E T A M E E S I I E N Q P P Y C T D A T V V E I I R R G E E A E Y T			
T P V N T E N A A T S L	E E T E R S I K D A M E L Q P C V I K K V E V V I N K E E Y S Y V			
T P V S P E S A D S L	E E T E R A I E E S I I E N Q P S C V E V V I D E I E H G Y T			
T P V S P A S S H	E E T E T A M A E E I I E N Q P Y C E S V V D I L D D S A D Y T			
T P F N R K T A E S L L	E E T E K A M E E S F T L Q P C I D K V E V V S I D L D E F E Y T			
T P V S P R T A R S L L	E E T E K A M E K A V S L Q P P Y V T E V H V L L D T G R F G Y R			
T P V N I D S V E S S L	E E T E K A I E A A M S V S Q P C V F R V E V V I D R N E F D Y V			
S P V N L R T V G S L E	E E T E R S I K D A M E L Q P C V I K K V E V V I D R D E F G Y C			
T P V S P G T A E E V A K C	E E T E R A A I L L Q P C V I D A R V E V D V S S E G Y T			
S P V N L S T A G S L L	E E T E R A A I R D S I S L Q P C V Q S I T V V A I D R E D F G Y C			
T P V S P E S A T S L L	E E T E R A A I R E S I I E N Q P H C E S V V A V E I L E D E H G Y T			
V P I N L S N L E S S L	E E T E R A A I H A T I K E S I V L V Q P F V E V S V I D Q G V Y K Y I			
T P F C E R N V G D L L	E E T E R A A I K E C I K V A M E N Q P F I I K K I H I N L K I A E D D Y V			
T P V S V K T A D S L L	E E T E R A A I K E R S I S L Q P Y V K S I V S V I D R S M F G Y S			
S P L T L E T V D S L L	E E T E R A A I K E R S I S Q P F V E V S V I D R D E F G Y C			
P V N Q Y N V E Y S L L	E E T E R A A I K E S I S Q P F V E V S V I D R N K Y K Y K			
S P V S A E T A A E S L L	E E T E V A M E E S I S L Q P F V E R S V S V I D R Q M F G Y G			
I P I N D S N V E F S L L	E E T E R A I E E K A V S A Q P F V T K V N V V I D R P A Y K Y K			
S P V N L D T V E S S L	E E T E R A I E E K G I Q E S I V Q P C V E V S V E I L D E R N G Y T			
T P V S P N S T A S S L L	E E T E R A A A A M A E A I E N Q P H C E D D V T V E I I R E D S A D Y T			
T P V S P D S A A S L L	E E T E R A A A A M A E A I E N Q P F C V D D A D V D V L E D E A E Y T			
T P V V A P E S A P S L L	E E T E R A A R A M E A S I E N Q P H C E S V V A I E M D E E D G E Y T			
T P V N P N E S A D S L L	E E T E R A A R A M E D A I K N Q P H C E S V V A I E M D E E D G E Y T			
T P P L S L H T V D S L L	E E T E R A A I A Q S I S V Q P Y V K S I T V V H I D R E S F F G Y T			
T P P I S R I S A A S V E E K A I I E Q A V I L Q P F F V E E V T V R L D R S R F F G Y S				
T P P I S R A T A A S V E E A A I I E A A V G L Q P Y V T A I T V V R L N R D E F G Y T				
S P L N L Q N A D S M E R A I A E S I S S V Q P F V E E V T V R L N R D E F G Y T				
S P V S L K T A D S L L	E E T E R A A I A E S I S S V Q P F V E E V T V R L N R D E F G Y T			
T P V S P A S A G S L L	E E T E R A A I A E S I S S V Q P H C V T A V T V D I L D E S A D Y T			
T P P I S P D S A D S L L	E E T E R A A A A M E D A I E N Q P F C T A V T V D I L D E S A D Y T			
T P V D H D S A P G L L	E E T E R A A H M E E A I E N Q P F C V D D A D V D V R T D A A D Y T			
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T P V N I E S C S S L L	E E T E R A A I E E S I I L L Q P P A I I D V K V S L I N K G S M N Y T			
T P I A R E T A A S V E E A A I I E Q A V S L Q P Y V T K I R V R L N R D R F G Y S				
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T P F S E K N K A D L E R S I I E K C I M A Q P Y V E S A R V V K I K G D Q Y T Y T				
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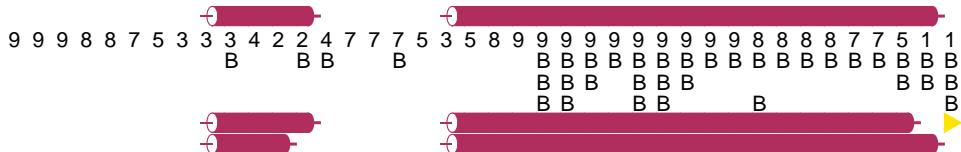
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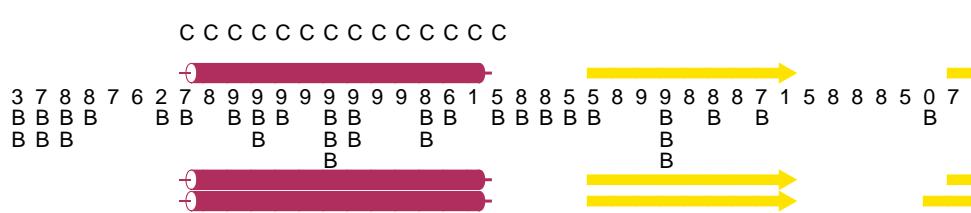
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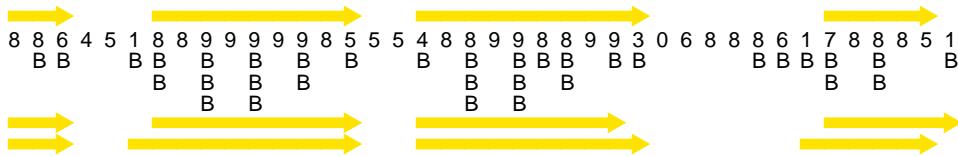
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UniRef90_F2KPK2	A P V S P E N A E L L E R A M E S C M R L Q P Y V V E A E V R I N R S S Y G Y T			
UniRef90_R4W711	T P V S P E S A E S L A T A M A E S I E N Q P F C E N V E V R I E R D E A D Y T			
UniRef90_TOYAS0	T P V A A R T A A A G L A R A L E D A V R L Q P Y V I E S V V V R V D S G R F A Y Y R			
UniRef90_V4XGU9	T P V S T A N T R S L E R S M A E A I E N Q P S C G S V S A V A A A S D H G Y T			
UniRef90_D3S1W6	T P V S F E N V E L V E K T M E S C M K L Q P Y V V D A E V K D K S S F N Y T			
UniRef90_UPI000361F7F1	T P F R K K D L E I I E K A L E A S L L A Q P Y R I Y A K V E I K A K D Y E Y E			
UniRef90_N0BNQ9	A P V S L E N A R I L E M A M E S C M R L Q P F V V S A E V K D R S S F G Y I			
UniRef90_I3TES3	I P P L S N E D A E M L E R L I E R S I L S Q P Y R T R A K V A I K R D P Y D Y S			
UniRef90_B8D3S0	I P P V R L E D I E L I G K V I E N A V K A Q P F K E D A K I E I R I G D Y S Y T			
UniRef90_D2R108	I P P V G F E N V D I V E R A I E S C V K L Q P F V I D A K V E I N I S K F G Y T			
UniRef90_X1A4K0	I P P I N A N E I K S I E E N G I E Q A I S C Q P Y V K S V K I N I K E N E F D Y D			
UniRef90_U1PMA8	T P V N P G S A A T L E R A I E D A T N Q P H C E Q V T V D I D R D A A S Y T			
UniRef90_E7QUX9	T P V G P E T T T S L E R A I E D A G E N R P D C G S I T V D I R D D E N G Y T			
UniRef90_X1DN13	I P I S S D T K D S I E E N G I E E A A I S C Q P Y V K S V K I N I D R E E F E Y D			
UniRef90_F4BWJ2	R T A S S L E E K A I E E S I S L Q P Y V R R V E V R D R D M F G Y G			
UniRef90_X1C7X4	P I K S D D K G S I E K G L E A A I S C Q P Y V E S V T I I L D K D K F N Y D			
UniRef90_Q9HJG9	M V Q P F V E D A E V H I D P G V Y K Y L			
UniRef90_T0N5S0	V P M N L S N I E A I E T A L K Q S V M V Q P F V E K A K V N I N R A M Y K Y V			

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UniRef90_T1BFS2 UniRef90_F2KPK2 UniRef90_R4W711 UniRef90_TOYAS0 UniRef90_V4XGU9 UniRef90_D3S1W6 UniRef90_UPI000361F7F1 UniRef90_N0BNQ9 UniRef90_I3TES3 UniRef90_B8D3S0 UniRef90_D2R108 UniRef90_X1A4K0 UniRef90_U1PMA8 UniRef90_E7QUX9 UniRef90_X1DN13 UniRef90_F4BWJ2 UniRef90_X1C7X4 UniRef90_Q9HJG9 UniRef90_T0N5S0	90 100 110 120 Y T P E M R V E L T S D G A A R V E A G L Q Y R P D L R Y P L M S L A A V S L T P E M L Y A K V S V E V E G E R A V A V M E W D E E K N Y P L M R L V D V E L T G T L F D A I V E V E R A D T K V R A E M A T E G D Y P L M S L V D V Y L T A E M L S A R V R L R D G P I R V D A R L A F E P A L R Y P L M R I D E L T G R L M E V E M R I D H D G V V V E T A M A V E D G Y P R M R V E S V S L E G D M I F A R V K V V R V E N D E V E A V L E Y D K K L K Y P L M R L E I T K E N L T V E V K V V K Y G E Y V A T G K L E Y I K E M N Y P L M Y V K D V S L S G E L I R A R V T V K V G E T L A R A E L Y W D D E K K Y P M M R L T L K T S D L D V L V E V R Y G R F V V R A R L R R V E E L D F N L A Y I E D I T L K T R H I D A R I V V R Y N N V R V V A R L R Y I P E L D F N L A Y I E D I T L S P E M L K A E V V V E V E N V R V R G T L K W V E D M K Y P Y M N F E V I E I S G K T I E A D L V V Q F R K V E V K A K I E W I K E L T G R F M E V R L V V Y H E G H E A V A E M Q V E D G Y P L M S L V S V A L D G S L L A V E M T V R R G E T T V D A T I G T A D D D S L L R I V D I E I
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lupas_21
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UniRef90_T1BFS2
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jnet
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sol25 8
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sol0
jhmm
jpssm