

0

Link Slate Detabase

(RI)	LS 72 (R2)	1573 (宋3)	1574 (Ru)	LSTS (RS)	LS7 6 (R6)
N ₁ 0 R ₂ 1 R ₅ 3	N ₂ 0 R ₁ 1 R ₃ 4 R ₅ 2	N ₃ 0 R ₂ 4 R ₆ 5	N4 0 R5 6 R6 7	N5 0 R1 3 R2 2 Ry 6 R6 8	N ₄ 0 R ₃ 5 R ₄ 7 R ₅ 8

3.

a. 0::0

0000:0000:0000:0000:0000:0000:0000

b. 0:AA::0

0000:00AA:0000:0000:0000:0000:0000

c. 0:1234::3

0000:1234:0000:0000:0000:0000:0000:0003

d. 123::1:2

0123:0000:0000:0000:0000:0000:0001:0002

4.

• 0::0

Unspecified Address

• 0::FFFF:0:0

0000:0000:0000:0000:0000:FFFF:0000:0000
Mapped Address

• 582F:1234::2222

582F:1234:0000:0000:0000:0000:0000:2222

Provider Based Unicast Address

• 4821::14:22

4821:0000:0000:0000:0000:0000:0014:0022

Provider Based Unicast Address

5. Image below:-

1155	PRI: 4	F	LOW LABEL	: 2342
VER	0100	000000000000000000000000000000000000000		
Payload Length: 320			NN; 6	Hap limit: 64
Binery formal; 000000 1100 100000		00000110	01100100	
Destination	Address >	582F:	1234 ;; 22	22
Sausta	dd sons	4221:	: 14:22	`

6. Each term is divided by 16 and its hex equivalent and remainder is found. Writing IPv4(129.6.12.34) to IPv6 0:0:0:0:0:FFFF:8106:C22

7. Loopback Address in Hexadecimal colon notation is "::1/128"