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- O { S. sid | bailor (b)}
- 2) { (S.Sid, S.Sname, S. Fating) | Sailor (S) / ((Stating >= 2 / S. sating < 8) \ (S. sating > 10 / S. sating <= 11))}
- (3) { (b.bid, b.name, b.color) | boat (b)  $\Lambda$  ( $\exists r \exists s (sailor(s) \land reserves(r) \land s.sid = r.sid \land r.bid = b.bid <math>\land b.color \neq 'red' \land s.sating > 7))}$
- 4 (b.bid, b.name | boat (b) / ( ] Al.bid | reserves (A) / (Al.day = 'Saturday' V Al.day = 'Sunday'))

  1 ( ] Az. bid | reserves (Az) / Az. day = 'Tuesday')

- (6) { S. Sid, S. Sname | Sailor (S) \ ( ] to ]tr2 ( reserves (ti) \ reserves (tr2) \ RISid = h2 sid A RI bid = h2 bid 1 41. Sid = S. sid )) }
- (+) { h1. Sid, h2. sid | neserves (h1) / Leserves (h2) / h1. sid + h2. sid / 41.bid= 42.bid)}
- 8 { S. S.id | Sailor (s) 1 ( ]r. sid (reserves (r) 1 (8.day='Monday' V 8.day='Tuesday'))) }
- (9) { r sid, b.bid | reserves(r) \ boat(b) \ r.bid=b.bid \ b.color \neq' hed' \ (\frac{1}{2}s (Sailor(s) \) S. sid=r.sid ( S. sating>6))}

- (b) {b.bid | boat(b)  $\Lambda \neg (\exists_{n} \exists_{n} \exists_{n} (\text{reserves}(n)) \land \text{reserves}(n)) \land \text{reserves}(n)) \land \text{reserves}(n) \land \text{reserv$ 1 x1. sid = h2. sid ))}
- (i) { S. sid | Sailor (s) 1 ( ]m ]ns ]ns ( neserves (n) 1 heserves (n) 1 heserves (ns) 1 heserves (ns) 1 heserves (ns) 1 heserves (ns) 2 heserves (ns) 2 heserves (ns) 3 heserves (ns) 4 heserves (ns) 4 heserves (ns) 4 heserves (ns) 5 heserves (ns) 6 heserves (ns) 6 heserves (ns) 6 heserves (ns) 6 heserves (ns) 7 heserves (ns) 7 heserves (ns) 8 hes 1 9.1. bid + 13. bid / 42. bid = 13. bid))}