

Figure 3b The CONTENT of *zyon ga kodomo ga neru* 'John's child sleeps.'

= [6]

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ARG [2]  
REL {X | {x<sub>q</sub> | John'(x<sub>q</sub>)} ∩ X ≠ ∅}  
REL\_INDEX n or x

[2]

= The CONTENT of [1]

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ARG sleep'(x<sub>n</sub>)  
REL {X | {x<sub>q</sub> | child'(x<sub>q</sub>) & R(x<sub>q</sub>)(x<sub>g</sub>)} ∩ X ≠ ∅}  
REL\_INDEX n

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{x<sub>n</sub> | sleep'(x<sub>n</sub>)} ∈ {X | {x<sub>q</sub> | child'(x<sub>q</sub>) & R(x<sub>q</sub>)(x<sub>g</sub>)} ∩ X ≠ ∅}

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{x<sub>q</sub> | child'(x<sub>q</sub>) & R(x<sub>q</sub>)(x<sub>g</sub>)} ∩ {x<sub>n</sub> | sleep'(x<sub>n</sub>)} ≠ ∅

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{x<sub>g</sub> | {x<sub>q</sub> | child'(x<sub>q</sub>) & R(x<sub>q</sub>)(x<sub>g</sub>)} ∩ {x<sub>n</sub> | sleep'(x<sub>n</sub>)} ≠ ∅} ∈ {X | {x<sub>q</sub> | John'(x<sub>q</sub>)} ∩ X ≠ ∅}

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{x<sub>q</sub> | John'(x<sub>q</sub>)} ∩ {x<sub>g</sub> | {x<sub>q</sub> | child'(x<sub>q</sub>) & R(x<sub>q</sub>)(x<sub>g</sub>)} ∩ {x<sub>n</sub> | sleep'(x<sub>n</sub>)} ≠ ∅} ≠ ∅

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∃x[John'(x) & ∃y[[child'(y) & R(y)(x)] & sleep'(y)]]