

passed: myfoo not defined  
TESTING STARRAY

— properties/sub-structures, one definition at a time —

STtest  
passed: dup detected

STtestX  
passed: new done!

adding struct ZX to STtest.TT  
passed: defined correctly!

STtest.TT Zy=TT Zy-default  
passed

STtest.TTT Zy(err)=TT Zy-default  
passed: err detected

— Extending def structure of an already instantiated starray —

Note: it will loop if not fixed!

— Fixing it —

Note: STtest def \show shall appear in logs (if fixed)

```
> {STtest} struct =>
> {X} => {X-default}
> {Y} => {Y-default}
> {SS} struct =>
> {Z} => {SS Z-default}
> {Zx} => {SS Zx-default}
> {YY} => {YY-default}
> {ZsX} struct =>
> {ZsXa} => {SS ZsX ZsXa-default}
> {Zsxb} => {SS ZsX ZsXb-default}
> {TTy} struct =>
> {TTyZsXa} => {TTyTT-ZsXa-default}
> {TTyZsxb} => {TTyTT-ZsXb-default}
> {Z} => {TTy-Z-default}
> {TT} struct =>
> {Z} => {TT Z-default}
> {Zx} => {TT Zx-default}
> {Zy} => {TT Zy-default}
> {ZX} struct =>
> {ZXa} => {TT Zx ZXa-default}
> {Zxb} => {TT Zx ZXb-default}
```

Note: STtest terms \show shall appear in logs (if fixed)

Note: STtest.SSX (err/warning) shall be in logs:

— testing term\_syntax function —

STtest.TT.ZXx (err)  
passed: err detected

STtest.TT.ZX (correct)  
passed

— Texting expandable predicates and command —

passed: myfoo isn't defined  
passed: myfoo isn't defined  
passed: STtest.TT.ZX is a starray

executing term syntax:n (no output)

This is ZXa:«TT Zx ZXa-default» (using 'parsed' one)

— expandable cnt/iter commands —

The current cnt:2(using 'parsed' one)

passed: cnt isn't 0

The current iter:2(using 'parsed' one)

passed: iter is 2

passed: myfoo not a prop of

passed: ZXa is prop

passed: ZXa is true

— Texting expandable predicates and command with parsed ref variables —

executing term syntax:nNN (no output refA)

executing term syntax:nNN (no output refB)

This is ZXa:«TT Zx ZXa-default» (using 'refA' one)

— expandable cnt/iter commands —

The current cnt:2(using 'refA' one)

passed: cnt isn't 0

The current iter:1(using 'refB' one)

passed: iter is 1

The current iter:2(using 'refA' one)

passed: iter is 2

(using refA):

passed: myfoo not a prop of

(using refA):

passed: ZXa is prop

(using refB):

passed: ZXa wasn't found

passed: ZXa is true

— testing get\_prop functions —

Note: This is (default) 'X' property fromSTtest[hah] term:  
X-default

Note: Same with a token-list variable  
X-default

Note: Same with 'branching'  
X:X-default  
passed: X found correctly

Xt:

passed: Xt don't exist

Note: (same) testing \...if\_in:

passed: X exists

passed: Xty don't exit

— Testing iter functions —

Current STtest iter:

Note: direct access:2

Note: using a tmp var:2

Note: resetting iter

iter:1

Note: next iter

iter:2

Note: next iter

iter:2

Note: set iter hash

iter:1

Note: set iter->5

iter:2

Note: set iter->0

iter:1

— Testing iter functions with branching —

Current STtest iter:

passed: got: 1

iter from STtestY (err):

passed: syntax err OK

Note: resetting iter

passed

iter:1

Note: next iter

passed

iter:2

Note: next iter

passed: 'saturated'

iter:2

Note: set iter hash

passed: hash found

iter:1

Note: set iter->5

passed: 'over'

iter:2

Note: set iter->0

passed: 'under'

iter:1

Note: set iter->2

passed

iter:2

— Testing cnt functions —

Current STtest cnt:

Note: direct access:2

Note: using a tmp var:2

— Testing cnt function with branching —

Current STtest cnt:

passed: got: 2

Current STtestX cnt:

passed: got: 0

Current STtestY cnt:

passed: non existant

```

— Testing _if_in function —
passed: X found
passed: G not found
— Testing _term_syntax function —
STtest[2].TT is:
passed: correct
STtest[1].TT is:
passed: wasn't instantiated
STtest[1].GG is:
passed: not correct

— Testing (g)set_prop functions —
STtest[2].TT.Z current value: TT Z-default
STtest[2].TT.Z new value: newZ value

— Testing (g)set_prop inside a group —
STtest[2].TT.Z inside: newZ inside group
STtest[2].TT.Z ouside: newZ value
STtest[2].TT.Z inside gset: newZ gset inside group
STtest[2].TT.Z ouside: newZ gset inside group

— Testing (g)set_prop functions —
STtest[2].TT.Z current value: newZ gset inside group
STtest[2].TT.Z new value: newZ value

— Testing (g)set_prop inside a group —
STtest[2].TT.Z inside: newZ inside group
STtest[2].TT.Z ouside: newZ value
STtest[2].TT.Z inside gset: newZ gset inside group
STtest[2].TT.Z ouside: newZ gset inside group

— Testing (g)set_prop functions with branching —
STtest[2].TT.Z current value: newZ gset inside group
passed: new value: newZZZZ value

— Testing (g)set_prop inside a group —
passed: new value: newZ inside group
STtest[2].TT.Z ouside: newZZZZ value
passed: new value: newZ gset inside group
STtest[2].TT.Z ouside: newZ gset inside group
setting:STtest[1].TT (err, not instantiated)
passed: correct, no instance

— set_prop:nnV inserting a sequence as a property —
Note: the 2 (equal) sequences shall be in log (\show )

— defining/setting from keyval —
— setting from keyval with branching —
passed: correct
— setting from keyval with branching II —
passed: correct
student definition:
> {student} struct =>
> {first} => {-first-}
> {last} => {-last-}
> {name} => {-full-name-}
> {article} => {o(a)}
> {narticle} => {(a)}
> {Article} => {O(A)}
> {Narticle} => {(A)}

```

```

> {Nproc} => {—}
> {ID} => {—}
> {email} => {—}
> {advisor} struct =>
>   {first} => {—first—}
>   {last} => {—last—}
>   {name} => {—full-name—}
>   {article} => {o(a)}
>   {narticle} => {(a)}
>   {Article} => {O(A)}
>   {Narticle} => {(A)}
>   {institution} => {—inst—}
>   {titleinfo} => {—info—}
>   {email} => {—}
>   {phone} => {—}
>   {somedata} struct =>
>     {fieldA} => {field-Ax}
>     {fieldB} => {field-B}
>     {fieldC} => {field-C}
>     {fieldD} => {field-D}
> {reviewers} struct =>
>   {first} => {—first—}
>   {last} => {—last—}
>   {name} => {—full-name—}
>   {article} => {o(a)}
>   {narticle} => {(a)}
>   {Article} => {O(A)}
>   {Narticle} => {(A)}
>   {institution} => {—inst—}
>   {titleinfo} => {—info—}
>   {email} => {—}
>   {phone} => {—}

```

student current terms:

```

> {student[1]} (idx: A) =>
>   {first} => {first name}
>   {last} => {last name}
>   {name} => {—full-name—}
>   {article} => {o(a)}
>   {narticle} => {(a)}
>   {Article} => {O(A)}
>   {Narticle} => {(A)}
>   {Nproc} => {—}
>   {ID} => {—}
>   {email} => {}
> {advisor[1]} (idx: A) =>
>   {first} => {advisorA first name}
>   {last} => {advisorA last name}
>   {name} => {—full-name—}
>   {article} => {o(a)}
>   {narticle} => {(a)}
>   {Article} => {O(A)}
>   {Narticle} => {(A)}
>   {institution} => {—inst—}
>   {titleinfo} => {—info—}
>   {email} => {—}
>   {phone} => {—}
> {somedata[1]} (idx: A) =>
>   {fieldA} => {field-Ax}
>   {fieldB} => {field-B}

```

```

> {fieldC} => {field-C}
> {fieldD} => {field-D}
> {advisor[AB]} (idx: A) =>
> {first} => {advisorA first name}
> {last} => {advisorA last name}
> {name} => {-full-name-}
> {article} => {o(a)}
> {narticle} => {(a)}
> {Article} => {O(A)}
> {Narticle} => {(A)}
> {institution} => {-inst-}
> {titleinfo} => {-info-}
> {email} => {—}
> {phone} => {—}
> {somedata[1]} (idx: A) =>
> {fieldA} => {field-Ax}
> {fieldB} => {field-B}
> {fieldC} => {field-C}
> {fieldD} => {field-D}
> {advisor[2]} (idx: B) =>
> {first} => {student2set first name}
> {last} => {advisorB last name}
> {name} => {-full-name-}
> {article} => {o(a)}
> {narticle} => {(a)}
> {Article} => {O(A)}
> {Narticle} => {(A)}
> {institution} => {-inst-}
> {titleinfo} => {-info-}
> {email} => {—}
> {phone} => {—}
> {somedata[1]} (idx: A) =>
> {fieldA} => {field-Ax}
> {fieldB} => {field-B}
> {fieldC} => {field-C}
> {fieldD} => {field-D}
> {somedata[2]} (idx: B) =>
> {fieldA} => {field-Ax}
> {fieldB} => {field-B}
> {fieldC} => {field-C}
> {fieldD} => {field-D}
> {reviewers[1]} (idx: A) =>
> {first} => {reviewerI first name}
> {last} => {reviewerI last name}
> {name} => {-full-name-}
> {article} => {o(a)}
> {narticle} => {(a)}
> {Article} => {O(A)}
> {Narticle} => {(A)}
> {institution} => {-inst-}
> {titleinfo} => {-info-}
> {email} => {—}
> {phone} => {—}

```